



 **MEDI** Electronics

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NURSE CALL SYSTEM

OPERATING LIGHT & TABLE

HOSPITAL BED


BED HEAD UNIT & ACCESSORIES

HOSPITAL STERILIZER







STI6 / HPV / HSV6 DIAGNOSIS KIT







COMPANY INFORMATION

 **Medi Electronics**, established in 2009, is dedicated to providing the effective and comfortable healthcare products. Based on our highest technology and ability, we have Installed and supplied and will do our cutting-edge system to a lot of Leading Hospitals in not only our domestic areas but also overseas continuously.

| PRODUCTS

-  Nurse Call System : Interphone for Hospitals and Buildings
-  Surgical Operating Light and Electric Operating Table
-  Hospital Bed : Motor type or Crank type & Other hospital furniture
-  Bed Head Unit and Secondary Accessories
-  Hospital Sterilizers
 - Small size : 40L / 50L / 60L / 80L / 100L
 - Large size : 200~1,000L
-  Diagnostic kits for pharmaceutical use : STI6 / HPV / HSV6

| CERTIFICATES

-  Certification ISO 9001 & ISO 13485(For bed head unit accessories)
-  Certification ISO 9001 & KGMP(For Hospital Sterilizer)
-  Certification of European Standard CE(medical aspirator, respirator)
-  Registration in USA's FDA (Register No.:3004128121)
(For bed head unit accessories)

CONSTRUCTION DATA - DOMESTIC

- National Health Insurance Ansan Hospital System Replacement
- Bonghwa Eldercare Center Nursecall System Installation
- Gangneung Air Force Hospital Nursecall System Installation
- Gangneung City The Grand Hospital Nursecall System Installation
- Aju University Hospital Nursecall System Installation
- Yeongweol City Hospital Nursecall System Installation
- Inje University Sanggye Hospital Nursecall System Replacement
- National Health Insurance Daejeon Hospital Nursecall System Replacement
- Jangsu City Hospital Nursecall System Replacement
- Yongin City Hospital Nursecall System Installation
- Aju University Surgery Room Emergency Call System Replacement
- Hongseong City Nursing Home Nursecall System Installation
- Hanlim University Surgery Room Emergency Call System Installation
- Seoul St. Mary's Hospital Nap Rooms Nurse Call Installation(Console
- Hanlim University Nurse Call System maintenance contract as a subcontractor
- Hyundai Uvis Hospital main and new building Nurse Call System replacement contract
- Korea Paralympic Committee Icheon Nurse Call System Installation
- Hanlim University Gangdong Medical Center Nurse Call System Installation
- The US Forces, Korea Pyeongtaek middle school emergency call system Installation
- Gangneung Green City Nurse Call System Installation
- Daegu Silver house Nurse Call System Installation
- Suwon St. Mary's hospital Nurse Call System Installation
- Gacheon University Emergency Call System Installation
- Chungnam Dunpo town office emergency Call System Installation
- The Wise Whang Hospital Nurse Call System Installation
- The Wise Whang Hospital Nurse Call System Installation

CONSTRUCTION DATA - DOMESTIC

- Byeolnae Middle School Emergency Call System Installation
- Aju University Dormitory Emergency call System Installation
- Kepco Medical Center Nursecall Replacement
- Gangneung City The Grand Hospital Nursecall System Installation
- Ulsan Pyeonghwa Medical Center Nursecall System Installation
- Sejong City Education Center Emergency call System Installation
- Suwon Welfare Center for the Disabled Nursecall System Replacement
- Suwon Homaesil Library Emergency call System Replacement
- DongaAh University Emergency call system Installation
- Aju University Trauma Center Nursecall System Installation
- National Health Insurance Service Ilsan Hoapital Nursecall System Replacement
- Mokdong Himchan Hospital Nursecall System Installation
- The Catholic University St. Vincent's Hospital Nursecall System Installation
- Gangnam Gu Hospital nurse call & head wall system
- Won Gwang University Sanbon Hospital total hospital information system Installation
- Hangil Medical Foundation Hospital total hospital information system Installation
- COMWEL Incheon Hospital nurse call system installation
- Hanlim University Dongtan hospital 8th floor Nurse Call System Installation
- Busan Centum Hospital fall monitoring system Installation
- Hanlim University Regional Emergency Medical Center nurse call & bed head unit Installation
- Ilsan Hospital Extension and Remodelling nurse call system Installation
- Ansan Hospital Ward No. 35, 36 nurse call system replacement

CONSTRUCTION DATA - OVERSEAS

- Hamamatsu Nursing Home Nursecall System Installation - Japan
- Nagoya Town for the Aged Nursecall System Installation - Japan
- Secu Tech Company - nurse call system exportation - Thailand
- Nurse Call System Demo Set Exportation(300bed) - Mozambique
- Nurse Call System Exportation(300bed) - Tanzania
- Nurse Call System Exportation(600bed) - Iraq
- Pin Lone Hospital Nurse Call System Installation - Myanmar
- Nurse Call System Demo Set Supply - Philippines
- Nurse Call System & bed head unit Demo Set Supply - Vietnam
- Sexually Transmitted Disease Diagnosis Kit Sample Supply - Laos
- Surgical Operating Light and Operating Table Exportation - Bangladesh

HOSPITALS USING OUR SYSTEM



**Korea University
Hospital**



**Korea Veterans
Health Hospital**



**Dong-A University
Hospital**



**Yonsei University
Hospital**



**Seoul ST. Mary's
Hospital**



**Asan Medical
Center**



**Hanlim University
Hospital**



**Aju University
Hospital**



**Inju University
Hospital**

INSTITUTIONS USING OUR SYSTEM



National Health Insurance Hospital



NHIS Ilsan Hospital



Gachon University Emergency system



Suwon Welfare Center for the Disabled



Korean Paralympic Committee



USFK School Emergency System



Hanlim University Hospital



Korea Vincent's Hospital



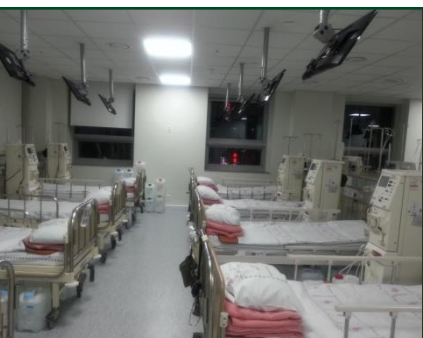
Wonkwang University Hospital

SYSTEM INSTALLATION PICTURES 1



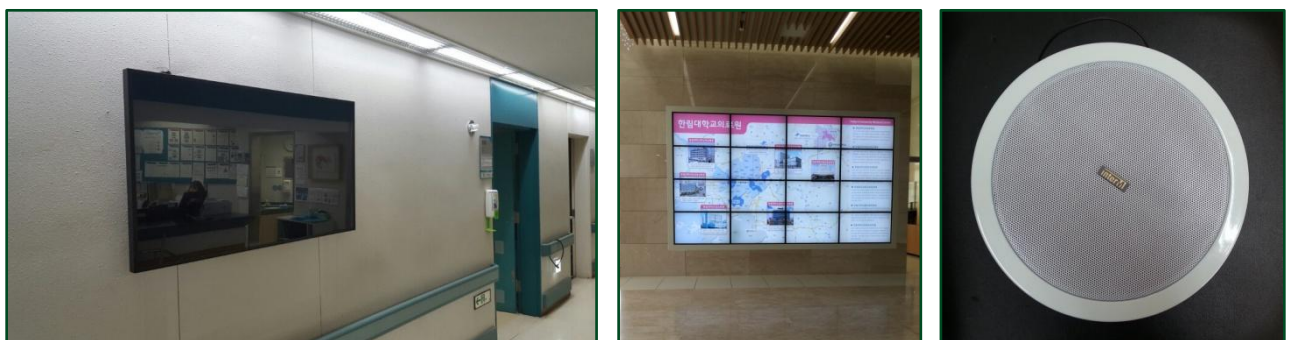
SYSTEM INSTALLATION PICTURES 1

SYSTEM INSTALLATION PICTURES 2



SYSTEM INSTALLATION PICTURES 2

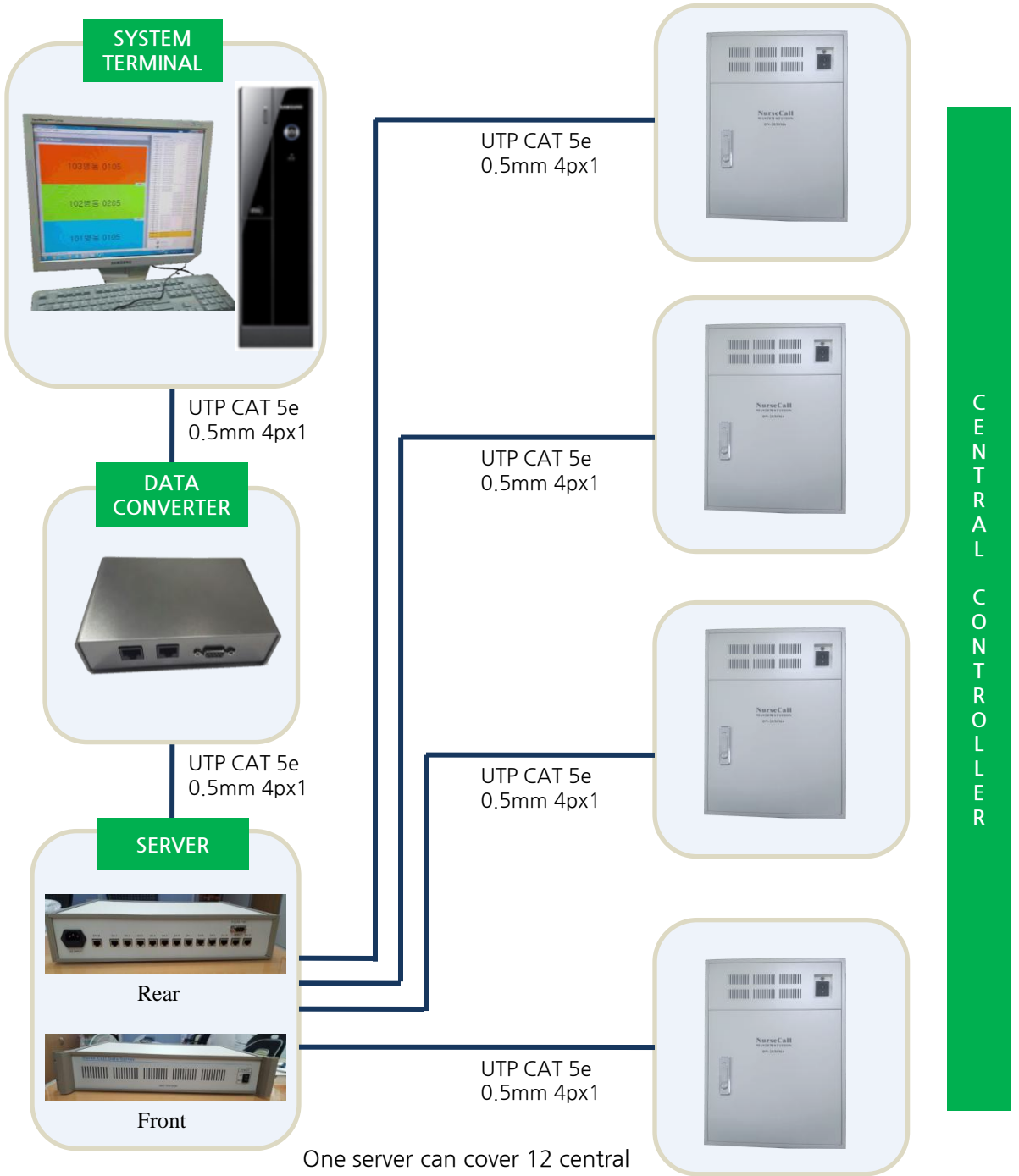
SYSTEM INSTALLATION PICTURES 3



SYSTEM INSTALLATION PICTURES 3

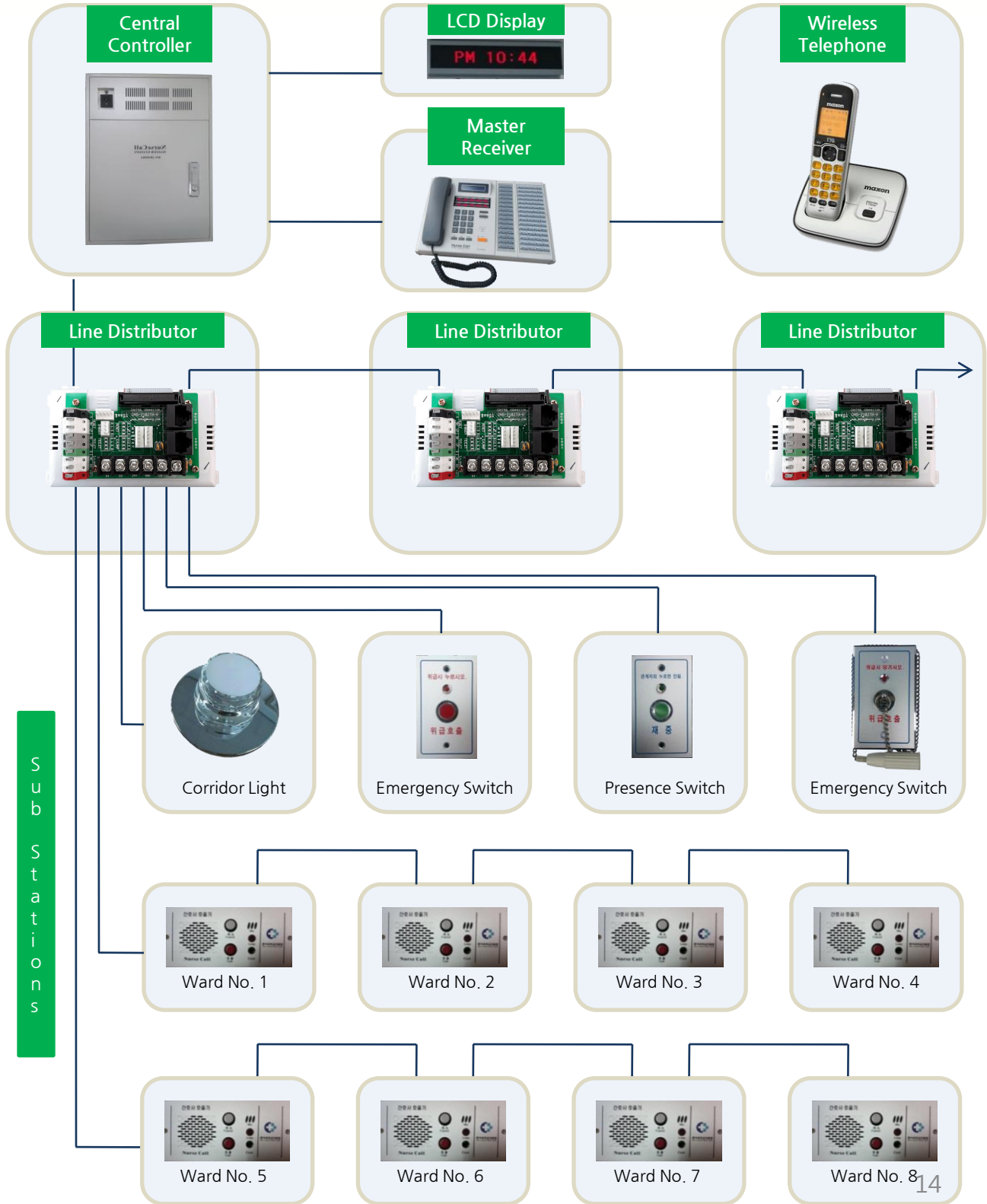


SITE MANAGEMENT SYSTEM DIAGRAM



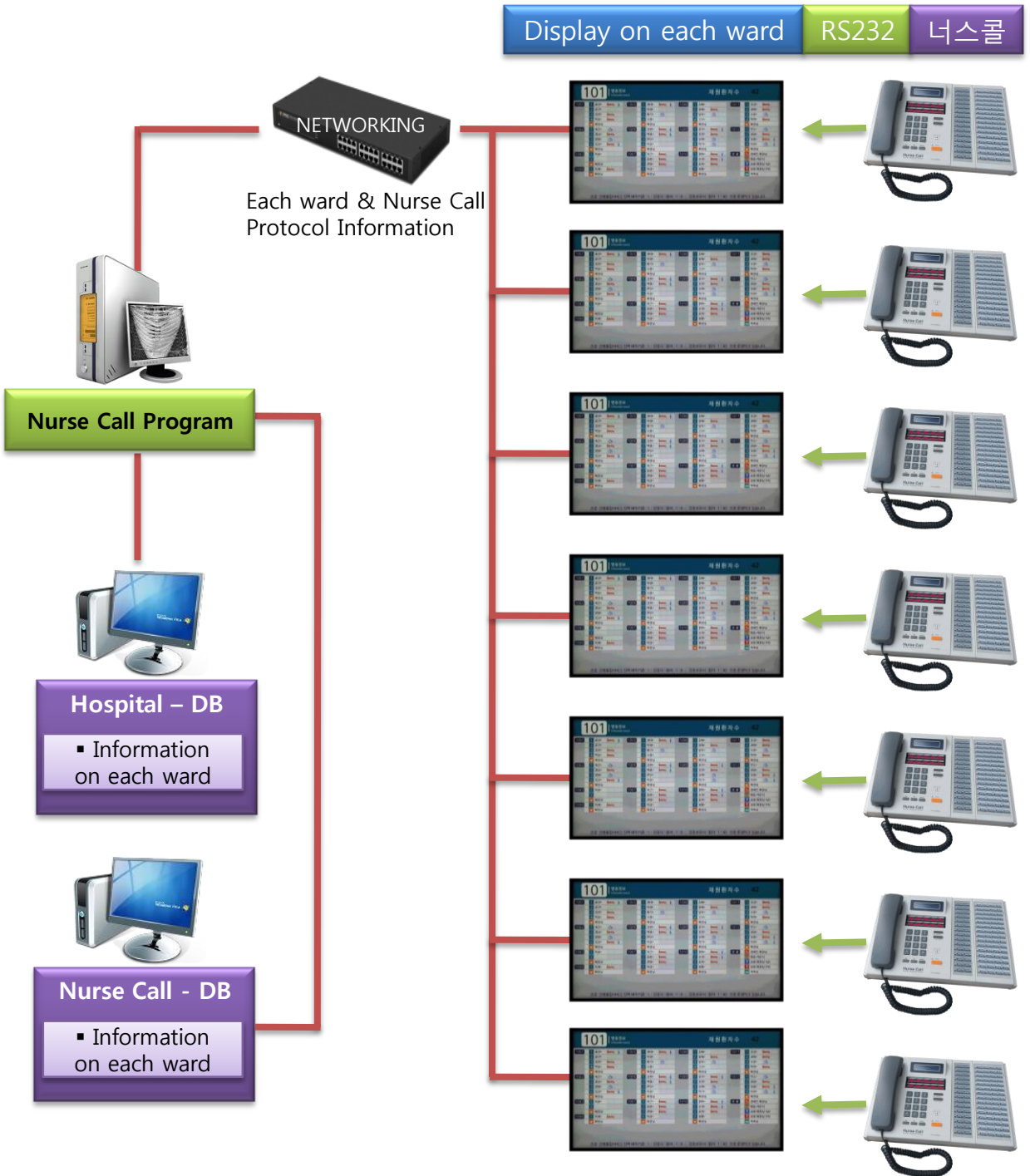
One server can cover 12 central Controllers to the max.

BASIC SYSTEM DIAGRAM



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BASIC SYSTEM WITH MONITOR DIAGRAM



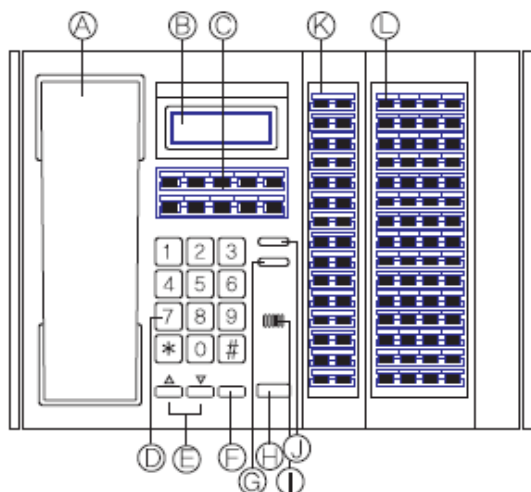
MASTER RECEIVER[DN-2020MS] - 30/90/150/210 CHANNEL -



FEATURES

- Controlled by microprocessor and program, the system is very fast and accurate.
- As it uses data bus mode, it is very cost-effective and easy to manage.
- When needed, the total system can be operated by a PC with user interface.
- Operated by touch buttons, It is very durable so you can use it without any breakdown.
- It provides crystal-clear sound and 'Talk' switch makes you talk without holding a receiver.
- Calling a nurse, The signal light is flickering until a nurse answers. At the same time, the room and bed number is displayed on LCD panel.
- This system puts top priority on Emergency call although the line is busy.
- An announcement in all areas of the hospital can be made if there's any message to send.
- If there's any message to receive when the person in charge should be out, the system can be connected to the person using smartphone.
- Jointed by connectors, All system breakdowns can be easily found and fixed.
- The system can receive calls while you are in motion(But you can't call.)
- It can be connected with internal paging device using extra server.
- It provides detailed reports on all system activity from any places on the facility's network.
- You can discriminate from where the signal is sent.
- When you have to vacate the seat, you can change the call to any place.

MASTER RECEIVER[DN-2020MS]



FUNCTIONS

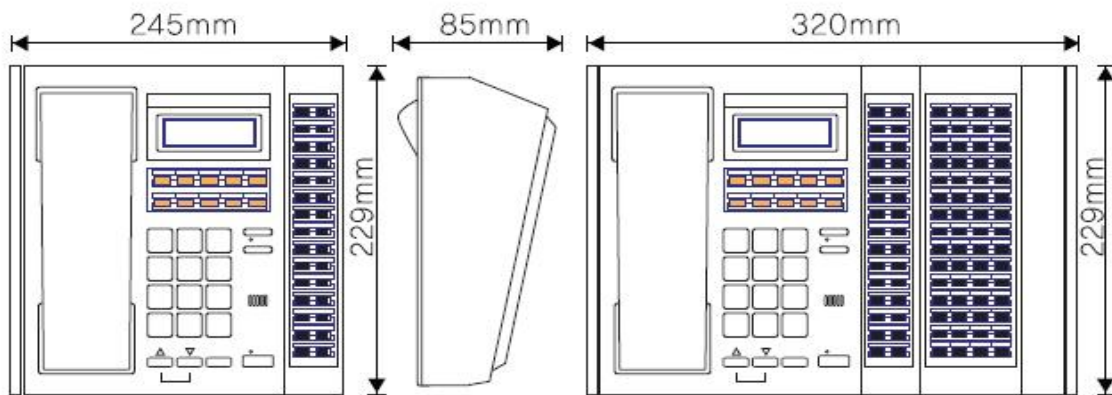
A : HANDSET	G : ON / HOOK
B : LCD PANEL / CLOCK	H : TALK
C : EMERGENCY DISPLAY	I : MIC
D : DIAL BUTTON	J : MODE (MEMORY)
E : FUNCTION KEY	K : DSS 30KEY
F : REDIAL	L : DSS 60KEY

FEATURES

- LINE : MIN. 30 LINES / MAX. 210 LINES
- LINE CONDITION : 6-wire wiring scheme
- ROOM : MAX. 32 ROOMS
- POWER CABLE : OVER 1.2mm
- SUB STATION : MAX. 210 UNITS
- DATA/CALL : 0.6mm
- CPU TYPE : PIC -16C77/74
- INTERNAL LINE : UTP/0.5mm-4P
- POWER : DC24V-6A
- VOLTAGE : AC95V-265V
- CALL SYSTEM : TWO-WAY
- COMMUNICATION SYSTEM : 485 DATA BUS

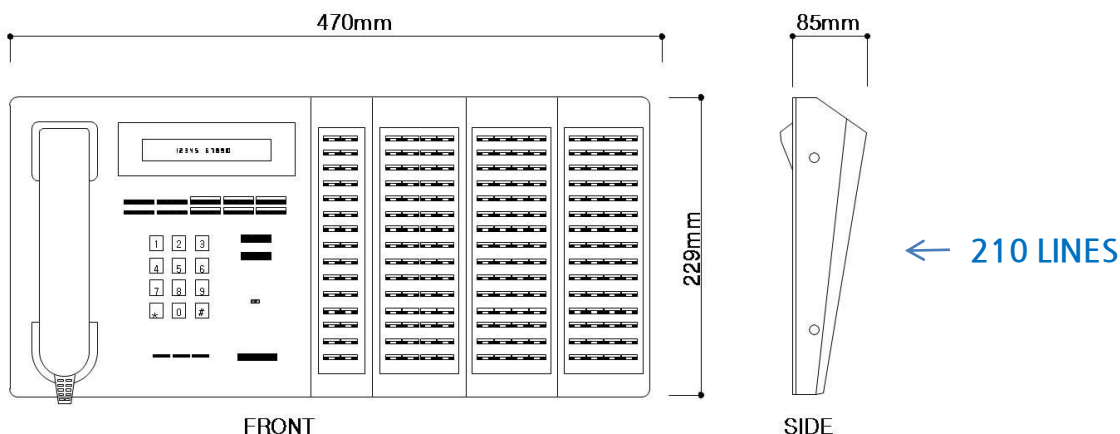
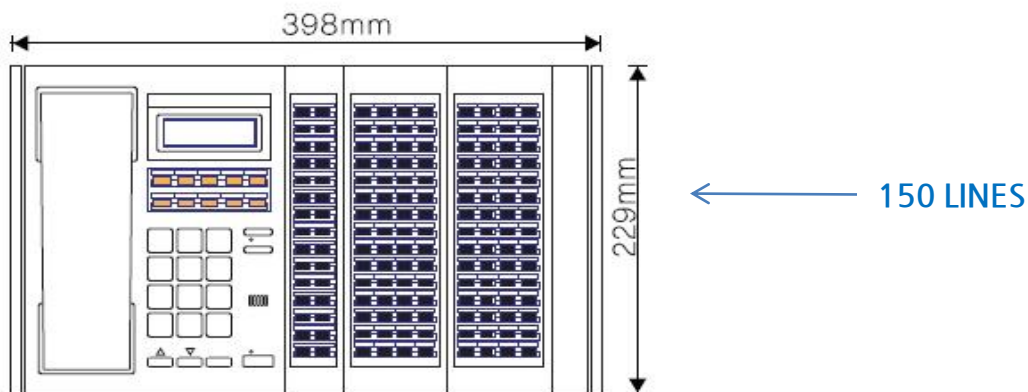
NURSE CALL SYSTEM - DIGITAL
MASTER RECEIVER[DN-2020MS]

DIMENSIONS



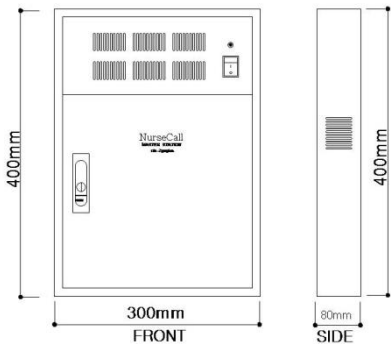
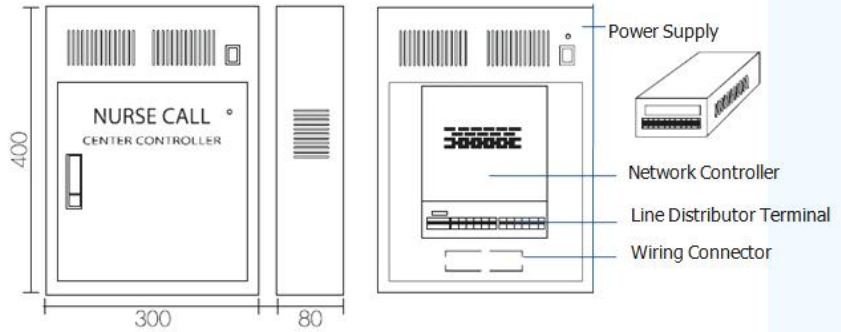
30 LINES

90 LINES

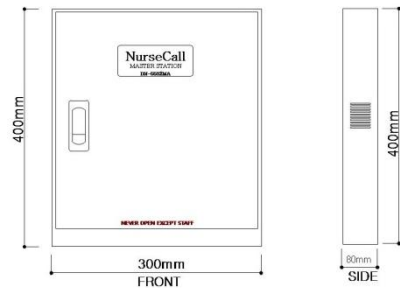


NURSE CALL SYSTEM - DIGITAL
MASTER RECEIVER[DN-2020MS]

CENTRAL CONTROLLER[DN-2030MA]



**CENTRAL CONTROLLER
DN-2030MA**

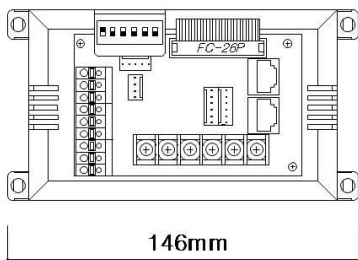
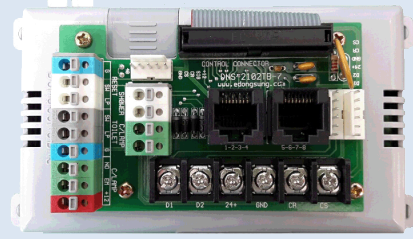
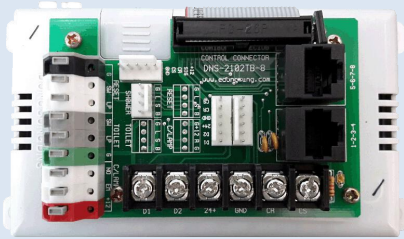


**CENTRAL CONTROLLER
DN-5532MA**

- It is a device that can control all functions of the system.
- It consists of controller, power supply, and terminal connection section.
- Controlled by microprocessor and program, the system is very fast and accurate.
- When needed, UPS system can be connected with this so that the total system can be operated without any disturbance like blackout.
- In case blackout happens, It is manufactured with special flash memory to prevent data loss.
- All functions of the system can be performed smoothly thanks to high-end SMPS which supplies power to it.
- DN-5532MA is especially for surgery room control.

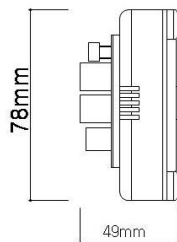
NURSE CALL SYSTEM - DIGITAL

LINE DISTRIBUTOR [TB-065/TB-065A]

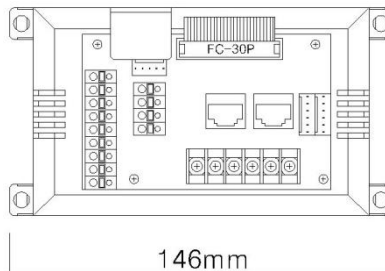


FRONT

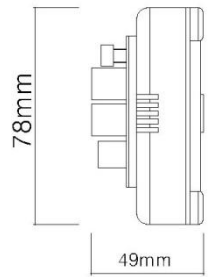
TB-065



SIDE



TB-065A



- It is a device that connects nurses' station with all sub-stations.
- It is required one per a room(TB-065) and one per two rooms(TB-065A).
- TB-065 can cover eight nurse callers and three sub-stations such as emergency caller, presence switch, and corridor light. TB-065A can cover 4 nurse callers and two emergency callers, and 2 corridor lights except presence switch.
- Compression joint terminal is used in this device.
- Screwless terminal used in other terminals makes installation and management easier.
- Control circuit and terminals are separated so you can only change the circuits
If there's any breakdown in it.
- The exterior covering is made of steel so it can block any noise.
- Dimensions : 146mm(W), 78mm(H), 49mm(D)

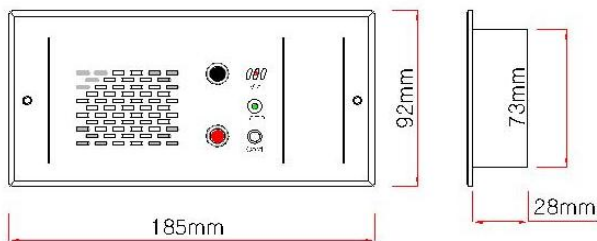
NURSE CALL SYSTEM - DIGITAL

NURSE CALLER[DN2010-S(A)]

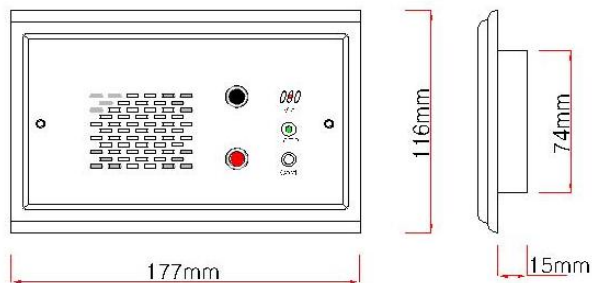
FEATURES

- This device is for a patient in a ward wants to call to a nurse or staff.
- In this case, if a patient presses the red button, a nurse response from a master receiver.
- DN-2010S type is fabricated in a bed head unit.
- DN-2010SA type is mounted on the surface of the wall.
- These two types can be used with call cord(CC-200SP) or wireless call device(DRS-1501K)

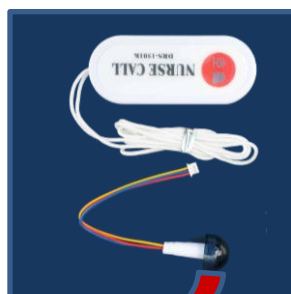
DN-2010S



DN-2010SA



Call Cord
(CC-200SP)

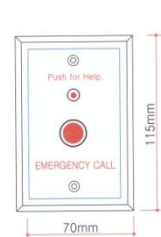


Wireless Caller
(DRS-1501K)

EMERGENCY CALLER

I BUTTON TYPE[EM-410A]

- This device is connected to the line distributor.
- The aluminum panel is specially processed and the switch is very strong and luxurious.
- It is anticorrosive and waterproof.
- It moulds to the one socket switch box.



Front View



Side View

I BUTTON TYPE[EM-420A]

- This device is connected to the line distributor.
- The aluminum panel is specially processed and the switch is very strong and luxurious.
- The cord is made of stainless steel chain and has a handle on the edge.
- It is anticorrosive and waterproof.
- It can be used for shower room.
- It moulds to the one socket switch box.



Front View



Side View

I PRESENCE SWITCH[RE-6200A]

- This device is connected to the line distributor.
- The aluminum panel is specially processed and the switch is very strong and luxurious.
- It is anticorrosive and waterproof.
- If needed, the panel can be chosen between aluminum and plastic panel.
- There is a signal lamp on top of it.
- It moulds to the one socket switch box



Front View



Side View



Front View



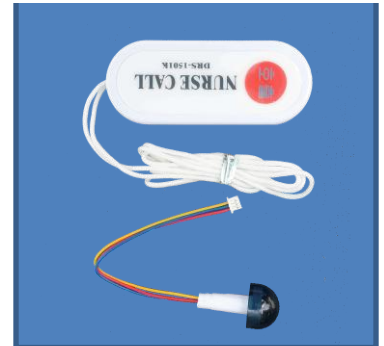
Side View

NURSE CALL SYSTEM - DIGITAL

CALL CORD(WIRELESS/WIRED)

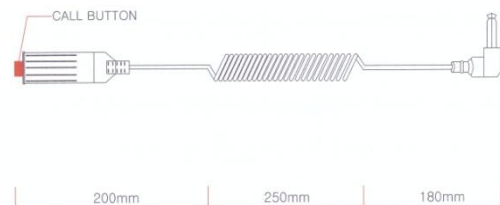
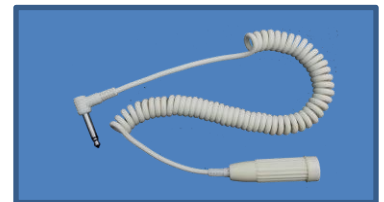
| WIRELESS CALL CORD[DRS-1501K]

- This device is connected to the line distributor.
- It is very useful for the disabled.
- It is connected to sub station in a ward.
- Having excellent elasticity, it is also easily detachable.



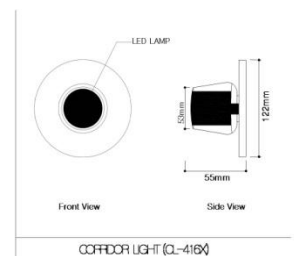
| CALL CORD[CC-200SP]

- This device is connected to the line distributor.
- It is very useful for the disabled.
- It is connected to sub station in a ward.
- Having excellent elasticity, it is also easily detachable.



| CORRIDOR LIGHT[CL-416X]

- This device is connected to the line distributor.
- All functions are the same as above CL-412A
- Made of crystal, It is very stylish and prevents discoloration.
- It moulds to the one socket switch box.



NURSE CALL SYSTEM - DIGITAL

CORRIDOR LIGHT[CL-416X]



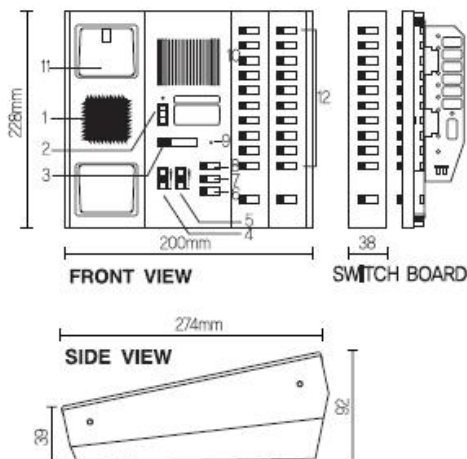
MASTER RECEIVER[DN-2600A]

USAGE

- As a direct-call device between a nurse and a patient, it controls all functions of the system, installed in a nurse room.
- Basic lines which can be connected in it are 10 and 50 lines to the max.



OUTSIDE VIEW



- | | |
|---------------------------|----------------------------|
| 1) signal speaker | 2) power button |
| 3) condenser Mic | 4) sound adjustment button |
| 5) bell adjustment button | 6) intercom button |
| 7) pager receiving button | 8) broadcasting button |
| 9) display lamp | 10) speaker |
| 11) support | 12) ward selecting button |

FEATURES

- It is a semiautomatic system and receivers, terminals, and power supply have their own parts in it. So it has fancy design and doesn't take up much space.
- It provides crystal-clear communication and you can hear the other party very clearly.
- Anyone can use it very simply because It is very easy to operate.
- Even if one putting down a receiver correctly, it automatically goes back to waiting mode after some seconds.
- You can make an announcement in all areas of the hospital if there's any message to send.

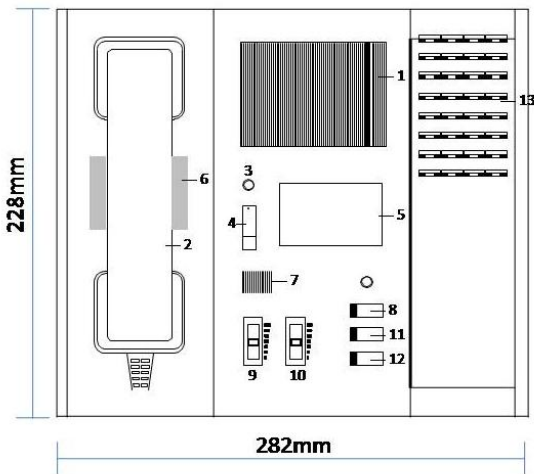
INTERPHONE[DN-2900A]

USAGE

- You can talk with any other department during the operation without using hand.



OUTSIDE VIEW



1. Intercom call speaker
2. Handset
3. Power Lamp
4. Power Switch
5. Panel
6. Signal Speaker
7. Mic
8. Broadcasting Switch
9. Call Volume Switch
10. Signal Volume Switch
11. Intercom Call Switch
12. Intercom Switch
13. Line Selection Switch/Lamp

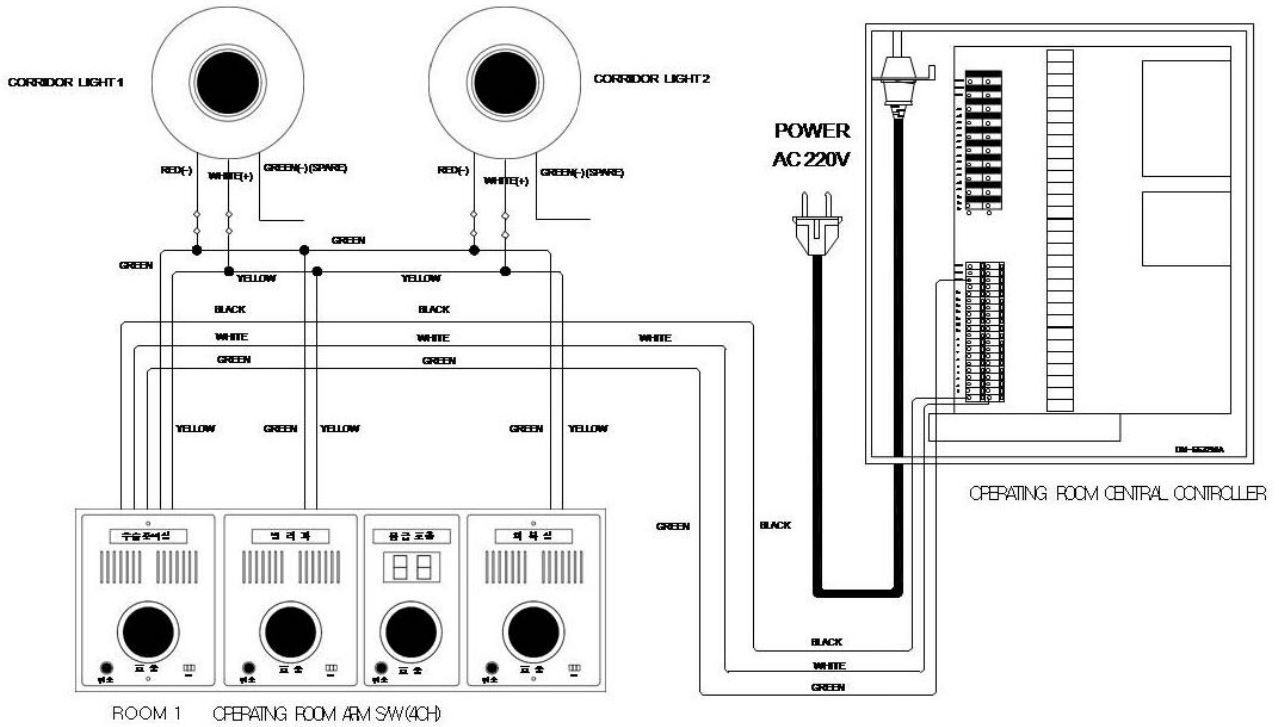
FEATURES

- All functions are the same as DN-2600A but it is useful because operated digitally.
- Extra devices can also be attached using RS-485.
- It provides crystal-clear communication than those of other companies so you can talk throughout the operation.
- It can be additionally installed in another room so when one clears the seat, another one can receive calls in another room.

NURSE CALL SYSTEM – SURGERY ROOM

SYSTEM WIRING

OPERATING ROOM CENTRAL CONTROLLER



1 CHANNEL



2 CHANNEL



4 CHANNEL

NURSE CALL SYSTEM – SURGERY ROOM

SUB STATIONS

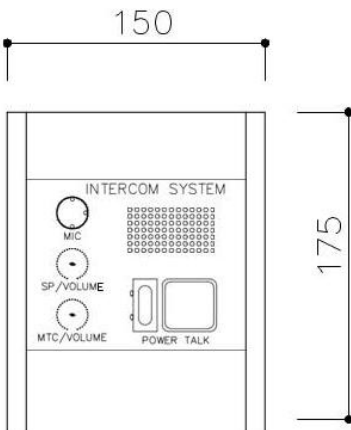
INTERPHONE FOR RADIOLOGY[DNS-INT100]

USAGE

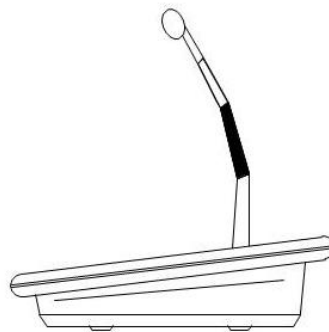
- This one is specially designed for radiology department and it is for annunciation and direction to a patient in a waiting room.

FEATURES

- The sensitivity of the interphone is so high that a patient can talk lying on the filming bed.
- Voice output is strong enough for a patient to listen to what the radiographer says.
- A foot switch can make a radiographer to talk without using any hands.
- Wiring between this device and a sub station is so easy that anyone can install this system(0.5mm/1P).



FRONT



SIDE



NURSE CALL SYSTEM

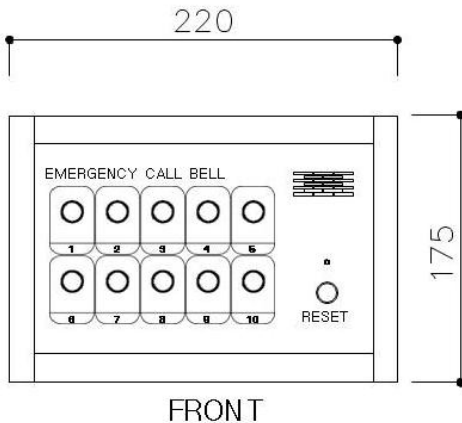
SPECIAL NURSE CALLER [EMC-510]

FEATURES

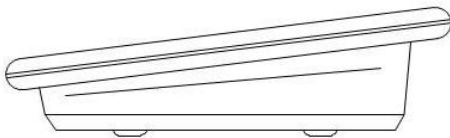
- This device is for the place that doesn't need the total nurse call system and need just for emergency call such as shower room and toilet for the disabled.
- The main receiver is very small and simple so it can be placed anywhere that is needed.
- It moulds to the one socket switch box.
- It can be wired with a corridor light.



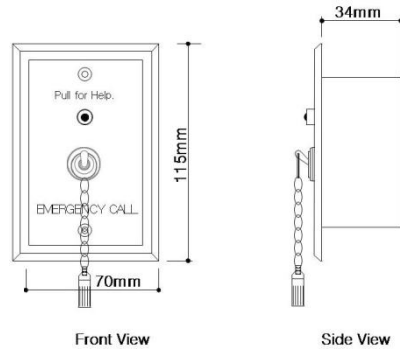
MAIN RECEIVER



FRONT



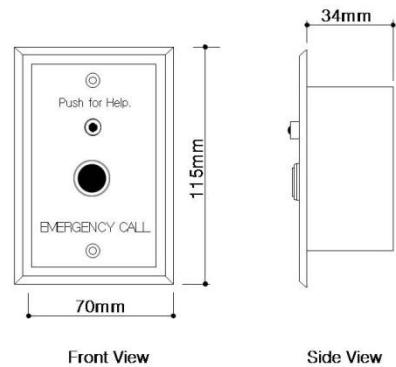
SIDE



Front View

Side View

EMERGENCY CALLER(CORD TYPE)



Front View

Side View

EMERGENCY CALLER(BUTTON TYPE)

NURSE CALL SYSTEM

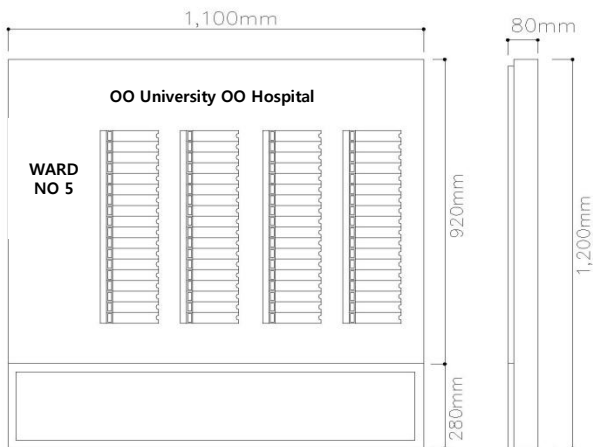
SPECIAL NURSE CALLER [EMC-510]

HOSPITAL STATUS BOARD[MD-600]

FEATURES

- It is installed around the nurse station.
- All the status regarding the status of nurses and patients can be displayed on this panel so anyone can check the status from this panel and is connected to the nurse call system.

OUTSIDE VIEW



LED DISPLAY[DNS-600SG]

USAGE

- This one is for corridor annunciation and display of all calls in the hospital.



Present Time Display



Patient Call Display

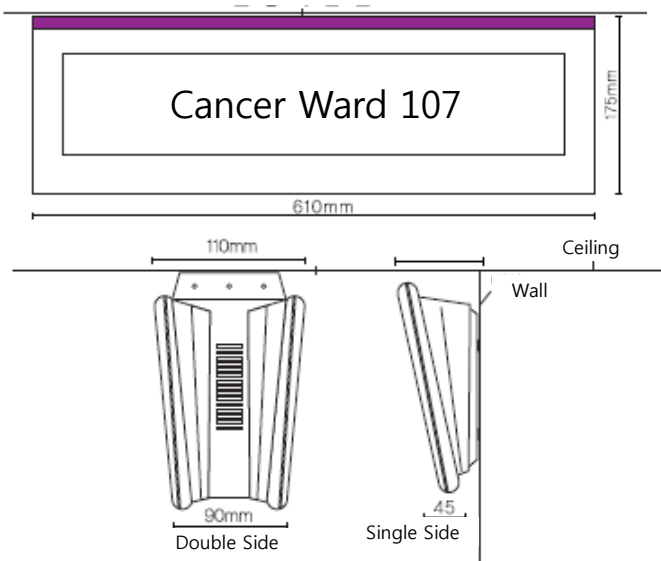


Emergency Call Display

FEATURES

- All Kinds of information can be displayed on this panel.
- Present Time Display
- The designated ward and bed number display
- Call signal when there is a call from a ward.
- Display : Led Dot Matrix(16x16) 1 color
- Power : DC 24V from central controller
- Power Consumption : MAX 1.0A
- Double faced Panel
- Dimensions : 610(W) X 175(H) X 125(D)

OUTSIDE VIEW

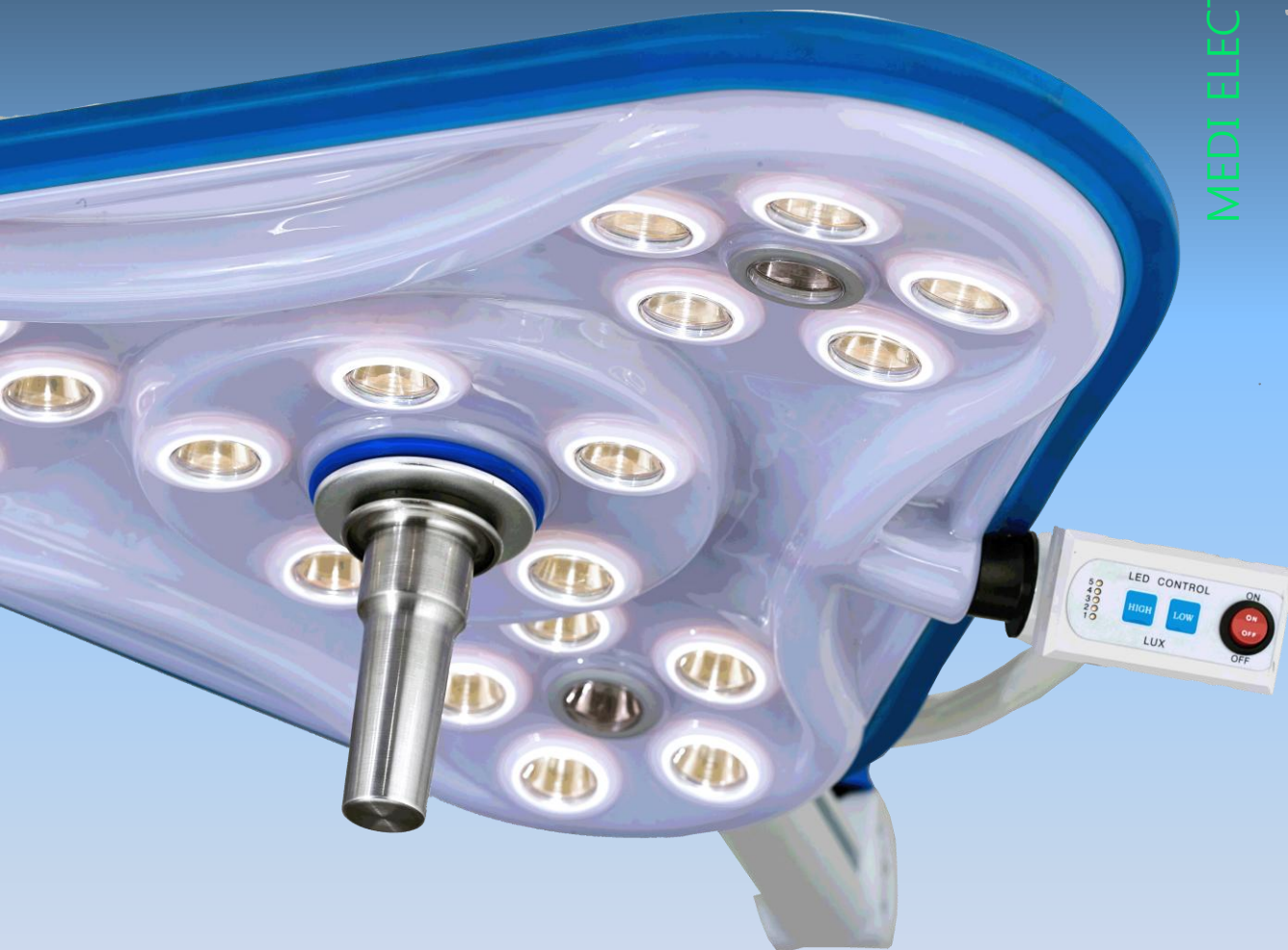


FALL MONITOR[MD-500FM]

FEATURES

- Fall Monitor is a device that is used to safeguard a person who has bad balance.
- Its use includes people who suffer from physical difficulty such as the disabled.
- Fall Monitor uses a clever algorithm in order to detect a fall.
- This system is designed to connect each patient room or bed's nurse call button .
- The installation of this system does not require any major construction.





LED
MEDI
HOSPITAL EQUIPMENT

MD-LED A2



MD-LED A2 Dimensions

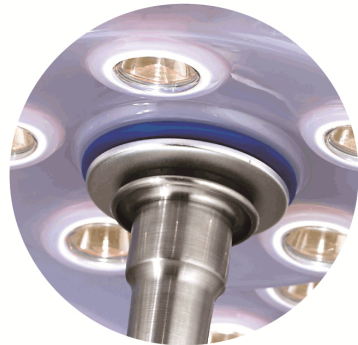
Housing dia	700mm × 700mm
Illumination	M 140,000 ~ M140,000 Lux
Power source	AC 220V
Lamp power	60W × 60W
Input voltage	D.C 24V
Balance	Auto
Illumination intensity	2 Step
Weight	60kg
Lamp type	LED
Color temperature[K] [±10%]	4,500 ~ 5,500

MD-LED A1



MD-LED A1 Dimensions

Housing dia	700mm
Illumination	M 45,000 ~ M140,000 Lux
Power source	AC 220V
Lamp power	60W
Input voltage	D.C 24V
Balance	Auto
Illumination intensity	1 Step
Weight	30kg
Lamp type	LED
Color temperature[K] [±10%]	4,500 ~ 5,500



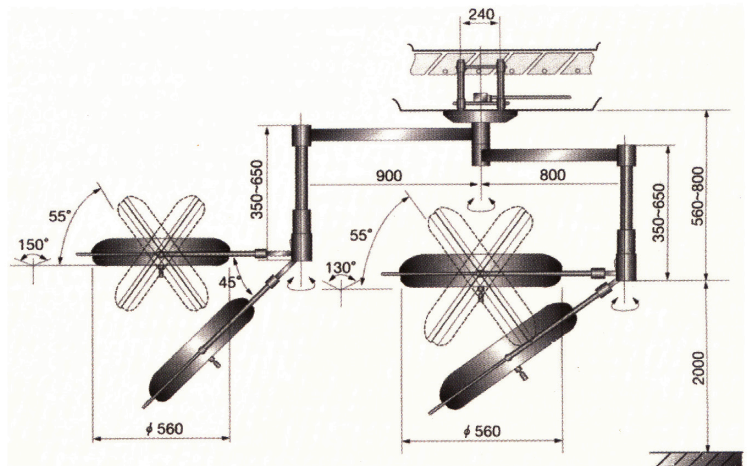
SURGICAL OPERATING LIGHT

MD-LED B1



MD-LED B1 Dimensions

Housing dia	600mm × 500mm
Illumination	M 140,000 × M120,000 Lux
Power source	AC 220V
Lamp power	60W × 54W
Input voltage	D.C 24V
Balance	Auto
Illumination intensity	2 Step
Weight	70kg
Lamp type	LED
Color temperature[K] [±10%]	4,500 ~ 5,500



SURGICAL OPERATING LIGHT

MD-LED B1

MD-LED B2



MD-LED B2 Dimensions

Housing dia	500mm × 500mm
Illumination	M 140,000 × M120,000 Lux
Power source	AC 220V
Lamp power	54W × 54W
Input voltage	D.C 24V
Balance	Auto
Illumination intensity	2 Step
Weight	70kg
Lamp type	LED
Color temperature[K] [±10%]	4,500 ~ 5,500

MD-LED S1 Dimensions

Lamp type	LED
Illumination	M 15,000 Lux
Power source	AC 220V
Bulb	240V 3W
Weight	1kg



MD-LED S1

MD-LED B3



MD-LED B3 Dimensions

Housing dia	500mm
Illumination	M 120,000 Lux
Power source	AC 220V
Lamp power	54W
Input voltage	D.C 24V
Balance	Auto
Illumination intensity	1 Step
Weight	30kg
Lamp type	LED

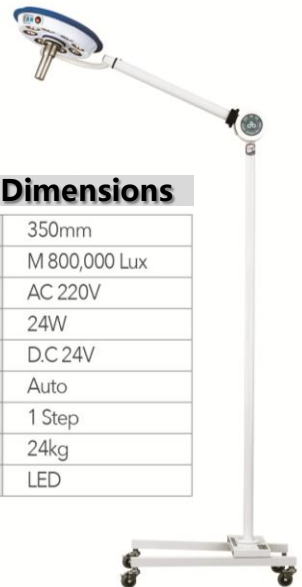
MD-LED S2 Dimensions

Lamp type	LED
Illumination	M 20,000 Lux
Rotating angle	360°
Power source	AC 220V
Bulb	24V 8W
Weight	10kg



MD-LED S3 Dimensions

Housing dia	350mm
Illumination	M 800,000 Lux
Power source	AC 220V
Lamp power	24W
Input voltage	D.C 24V
Balance	Auto
Illumination intensity	1 Step
Weight	24kg
Lamp type	LED



SURGICAL OPERATING LIGHT

MD-LED B4 / B5

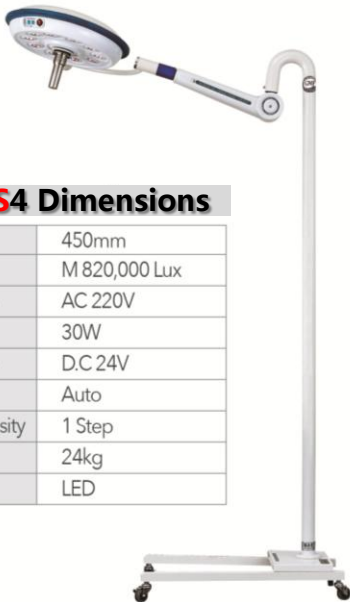


MD-LED B4 Dimensions

Housing dia	500mm
Illumination	M 120,000 Lux
Power source	AC 220V
Lamp power	54W
Input voltage	D.C 24V
Balance	Auto
Illumination intensity	1 Step
Weight	30kg
Lamp type	LED

MD-LED B5 Dimensions

Housing dia	450mm
Illumination	M 820,000 Lux
Power source	AC 220V
Lamp power	30W
Input voltage	D.C 24V
Balance	Auto
Illumination intensity	1 Step
Weight	24kg
Lamp type	LED



MD-LED S4 Dimensions

Housing dia	450mm
Illumination	M 820,000 Lux
Power source	AC 220V
Lamp power	30W
Input voltage	D.C 24V
Balance	Auto
Illumination intensity	1 Step
Weight	24kg
Lamp type	LED



MD-LED S5 Dimensions

Housing dia	500mm
Illumination	M 120,000 Lux
Power source	AC 220V
Lamp power	54W
Input voltage	D.C 24V
Balance	Auto
Illumination intensity	1 Step
Weight	30kg
Lamp type	LED

SURGICAL OPERATING LIGHT

MD-LED S4 / S5

Human & Technology

Hospital Equipment

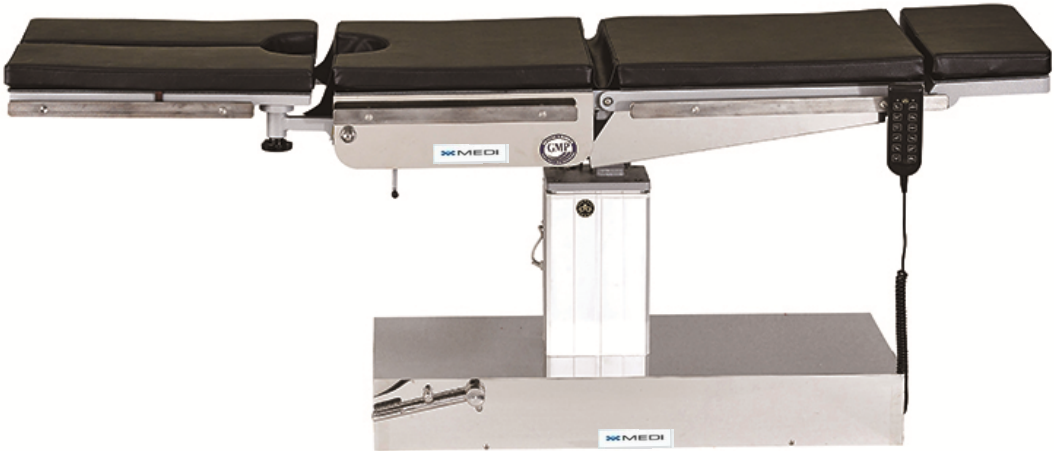
ELECTRIC UNIVERSAL OPERATING TABLE



 **MEDI**
Hospital Equipment

ELECTRIC OPERATING TABLE

MD-750



DIMENSION		POSITION	STANDARD ACCESSORY
1	Table size : 1960mmL×480mmW	Lateral tilt position : 26° both sides	Arm rest: 1 pair
2	Drive type : single drive	Kidney position : 126°	Shoulder supports: 1 pair
3	Height adjustable : 750mmH / 950mmH	Back section refraction : up 56° down 27°	Knee crutches: 1 pair
4	Weight : 190kg	Head section refraction : up 26° down 90°	Mattress: 1 set
5	Motor voltage : DC 24v	Leg section refraction : up 46° down 90°	Drain tray: 1 pc
6	Main connection : AC 220v		Chest & waist supports
7			Hand switch : 1pc



FRONT SECTION REFRACTION



TRENDELENBURG POSITION



KIDNEY POSITION



LATERAL TILT POSITION

ELECTRIC OPERATING TABLE

MD-7501



DIMENSION		POSITION	STANDARD ACCESSORY
1	Table size : 1960mmL×480mmW	Lateral tilt position : 26° both sides	Arm rest: 1 pair
2	Drive type : single drive	Kidney position : 126°	Mattress: 1 set
3	Height adjustable : 750mmH / 950mmH	Back section refraction : up 56° down 27°	Drain tray: 1 pc
4	Weight : 140kg	Head section refraction : up 26° down 90°	Hand switch : 1pc
5	Motor voltage : DC 24v	Leg section refraction : up 46° down 90°	
6	Main connection : AC 195~240V		
7	UPS FUNCTION(OPTIONAL)		



**FRONT SECTION
REFRACTION**



**TRENDELEBURG
POSITION**



**KIDNEY
POSITION**



**LATERAL TILT
POSITION**

OBSTETRIC DELIVERY & OPERATING TABLE

MD-500



DIMENSION		POSITION	STANDARD ACCESSORY
1	Table size : 1820mmL×600mmW	Trendelenburg position : up 25° down 25°	Shoulder supports : 1 pair
2	Leg section size : 530mmL×510mmW	Back section : up 75°	Knee crutches : 1 pair
3	Height adjustable : 750mmH / 1000mmH		Mattress : 1set
4	Weight : 180kg		Drain tray : 1 pc
5	Elevating system : Oil hydraulic system		Handle : 1 pair
6	Caster : Swivel caster : 1EA Fixing caster : 2EA		Screen frame : 1 pc
7			Grasping bar : 1 set



ELECTRIC GYNAECOLOGICAL EXAMINING TABLE

MD-5001



	DIMENSION	POSITION	STANDARD ACCESSORY
1	Table size : 1750mmL×510mmW ×610-830mmH	Seat section : up 30°	Shoulder supports : 1 pair
2	Leg section size : 530mmL×510mmW	Back section : up 50° down 20°	Knee crutches : 1 pair
3	Power source : AC220V, 400W		Mattress : 1set
4	Weight : 125kg		Drain tray : 1 pc
5	Elevating system : Electro-hydraulic system		Arm rest : 1 pc
6			Screen frame : 1 pc
7			



OB/GYN SUCTION

MD-SS1



DIMENSION	
1	460mmL×370mmx830mmW
STANDARD ACCESSORY	
1	Foot switch : 1 EA
2	Earth cord : 1 EA
3	Power switch : 1 EA
SPECIFICATION	
1	Motor : Single phrase, 200W, 50V
2	Pump : Rotary type
3	Vacuum Pressure : Max 750mmHg
4	Air exhaust : 25L/min
5	Suction Bottle : 800cc 1ea, 3000cc 1ea
6	Caster : 4 Swivel caster x 4
7	Power : AC220V(50-60Hz)
8	Weight : 22kg

DIMENSION	
1	460mmL×370mmx830mmW
STANDARD ACCESSORY	
1	Foot switch : 1 EA
2	Earth cord : 1 EA
3	Power switch : 1 EA
SPECIFICATION	
1	Motor : Single phrase, 200W, 70V
2	Pump : Rotary type
3	Vacuum Pressure : Max 750mmHg
4	Air exhaust : 25L/min
5	Suction Bottle : 3000cc 2ea
6	Caster : 4 Swivel caster x 4
7	Power : AC220V(50-60Hz)
8	Weight : 22kg



VACUME PUMP FOR LIPO-ASPIRATION

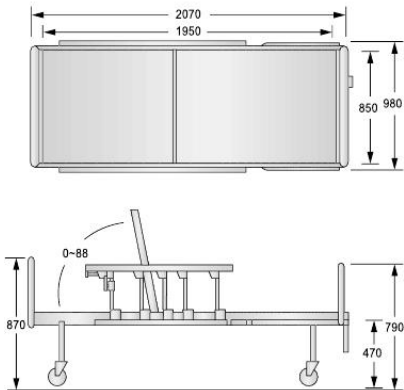
MD-SS2

HOSPITAL BED



HOSPITAL BED

1 MOTOR BED[DSM-2001]



DSM 2001 P.P / 1 Motor

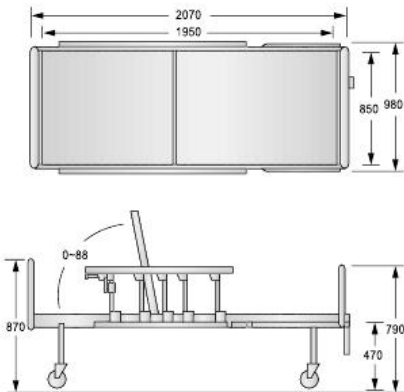
Specification

- Size : 2070(L)×980(D)×470/570(H)
- Bed frame : steel plate
- Bed top panel : steel plate and P.P panel
- Head & Foot board : A.B.S Molded and P.P
- Side Rail : Collapsible Safety Type
- Caster : 5" caster (4ea)
- I.V Pole : 1ea
- Over Table : 1ea
- Mattress : 1ea
- Finish : Electrostatic Powder Coating
- Motor: AC 220V 50~60Hz DC 24V



HOSPITAL BED

2 MOTOR BED[DSM-2002]



DSM 2002 P.P / 2 Motor

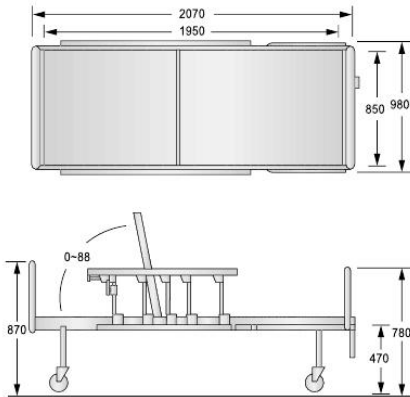
Specification

- Size : 2070(L)×980(D)×470/570(H)
- Bed frame : steel plate
- Bed top panel : steel plate and P.P panel
- Head & Foot board : A.B.S Molded and P.P
- Side Rail : Collapsible Safety Type
- Caster : 5" caster (4ea)
- I.V Pole : 1ea
- Over Table : 1ea
- Mattress : 1ea
- Finish : Electrostatic Powder Coating
- Motor: AC 220V 50~60Hz DC 24V



HOSPITAL BED

1 CRANK BED[DSM-2203]



DSM 2203 P.P / 1.C.C

Specification

- Size : 2070(L)×980(W)×470/570(H)
- Bed frame : steel plate
- Bed top panel : steel plate
- Head & Foot board : A.B.S Molded
- Side Rail : Collapsible Safety Type
- Crank : Universal Joint Crank Handle
- Handle : Folding and Safe-Keeping Type (A.B.S, 2ea)
- Caster : 4" caster (4ea)
- I.V Pole : 1ea
- Over Table : 1ea
- Mattress : 1ea
- Finish : Electrostatic Powder Coating



HOSPITAL BED

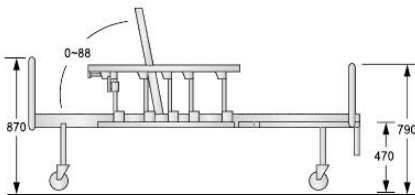
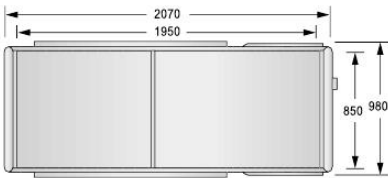
2 CRANK BED [DSM-2204]



DSM 2204 P.P / 2.C.C

Specification

- Size : 2070(L)×980(W)×470/570(H)
- Bed frame : steel plate
- Bed top panel : steel plate
- Head & Foot board : A.B.S Molded
- Side Rail : Collapsible Safety Type
- Crank : Universal Joint Crank Handle
- Handle : Folding and Safe-Keeping Type (A.B.S, 2ea)
- Caster : 4" caster (4ea)
- I.V Pole : 1ea
- Over Table : 1ea
- Mattress : 1ea
- Finish : Electrostatic Powder Coating



HOSPITAL BED

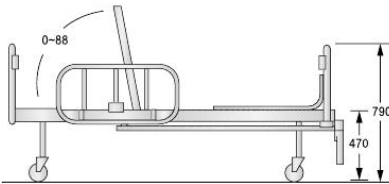
2 CRANK BED[DSM-2205]



DSM 2205 일반 1.C.C

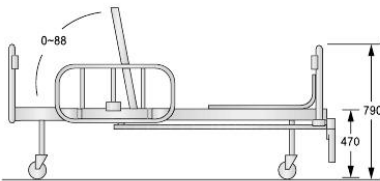
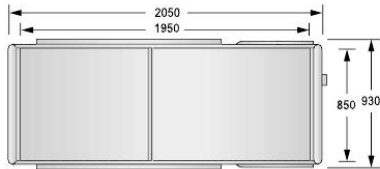
Specification

- Size : 2050(L)×930(W)×470/570(H)
- Bed frame : steel plate
- Bed top panel : steel plate
- Head & Foot panel : steel pipe
- Side Rail : Up and Down Safety Type
- Crank : Universal Joint Crank Handle
- Handle : Folding and Safe-Keeping Type (A.B.S, 1ea)
- Caster : 4" caster (4ea)
- I.V Pole : steel pipe (1ea)
- Over Table : 1ea
- Mattress : 1ea
- Finish : Electrostatic Powder Coating



HOSPITAL BED

2 CRANK BED [DSM-2206]



DSM 2206 일반 2.C.C

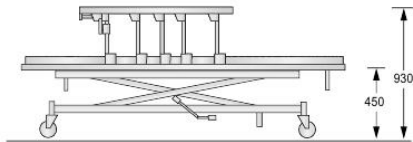
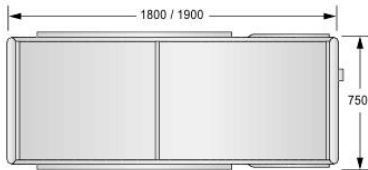
Specification

- Size : 2050(L)×930(W)×470/570(H)
- Bed frame : steel plate
- Bed top panel : steel plate
- Head & Foot panel : steel pipe
- Side Rail : Up and Down Safety Type
- Crank : Universal Joint Crank Handle
- Handle : Folding and Safe-Keeping Type (A.B.S, 1ea)
- Caster : 4" caster (4ea)
- I.V Pole : steel pipe (1ea)
- Over Table : 1ea
- Mattress : 1ea
- Finish : Electrostatic Powder Coating



HOSPITAL BED

HYDRAULIC STRETCHER



DSM 101

Specification

- Size : 1800(L)×750(W)×450/930(H)
- Size : 1900(L)×750(W)×450/930(H)
- Oil - Hydraulic Hi - Lo (450~930mm)
- Lag Frame : Steel
- Foot Han01 : SUS Ø22
- Finsh : Electrostatic Powder Coating
- Side Rail : Collapsible Safety Type



HOSPITAL BED

STRETCHER CAR



DSM 2231
Wheel Stretcher / 1800(L) X 750(W) X 700(H)
Wheel Stretcher / 1900(L) X 750(W) X 700(H)



DSM 2231-S
Wheel Stretcher / 1900(L) X 750(W) X 700(H)
Wheel Stretcher / 1900(L) X 750(W) X 700(H)



DSM 2232
Wheel Stretcher / 1800(L) X 750(W) X 700(H)



DSM 2232-S
Wheel Stretcher / 1800(L) X 700(W) X 700(H)



DSM 2233
Wheel Stretcher / 1800(L) X 700(W) X 700(H)
For Elevator



DSM 2233-S
Wheel Stretcher / 1800(L) X 700(W) X 700(H)
Two-Way For Elevator or Shower Car

HOSPITAL FURNITURE

SHOWER TROLLEY



DSM 210
Shower Trolley / 1800(L) X 750(W) X 700(H)
Shower Trolley / 1900(L) X 750(W) X 700(H)



DSM 220
Shower Trolley / 2000(L) X 750(W) X 700(H)



DSM 230(Electric)
Shower Trolley / 2000(L) X 800(W) X 700~900(H)



DSM 240(Oil-Hydraulic)
Shower Trolley / 2000(L) X 800(W) X 500~900(H)

HOSPITAL FURNITURE

EXAMINING TABLE



DSM 2243(Caster)
Examining Table(w/drawer)
Height can be customized
1800(L) X 760(W) X 600(H)



DSM 2244
Examining Table(w/drawer)
Height can be customized
1800(L) X 760(W) X 600(H)



DSM 2246(Hydraulic)
Examining Table(w/drawer)
1800(L) X 760(W) X 420~700(H)



DSM 2247(Hydraulic)
Examining Table(w/drawer)
1800(L) X 760(W) X 450~700(H)

OPERATING ROOM APPLIANCES



DSM-IC1
1200(L)×500(D)×1800(H)



DSM-IC2
1200(L)×500(D)×1800(H)

Specification

- Free-standing instrument cabinets are designed for larger storage space and Constructed Of heavy-duty stainless steel.
- Body Frame : All Stainless Steel 304 1,0t & 1,2t Plate Production.
- Glass : 5,0t Strong Glass.
- Shelf : Two Shelves is Adjustable in 30mm Intervals.
- Handle : Locking Key unit.
- Adjustable Floor Level is Possible.



DSM-IC3
900(L)×450(D)×1800(H)



DSM-IC4
900(L)×450(D)×1800(H)
DSM-IC4-1
1200(L)×500(D)×1800(H)



DSM-IC5
900(L)×450(D)×1800(H)



DSM-IC21
1200(L)×500(D)×1800(H)

HOSPITAL FURNITURE

OPERATING ROOM APPLIANCES



DSM-IC11
900(L)×450(D)×1800(H)



DSM-IC8
900(L)×450(D)×1800(H)



DSM-IC9
900(L)×450(D)×1800(H)



DSM-IC6
900(L)×450(D)×1800(H)

DSM-IC11-1
1200(L)×500(D)×1800(H)

Top Instrument Cabinet

Return Grille

Specification

- All 304 Stainless Steel Plate (Hair Line)
- Plastic Molding Handle
- Door Support & Pin Hinge



DSM-TIC01
1200(L)×500(D)×500(H)

DSM-TIC02
900(L)×500(D)×500(H)



DSM-RG1
L460×H860



DSM-RG2
L460×H660

NURSING APPLIENCES

Emergency Cart

Cart Accessories

Specification



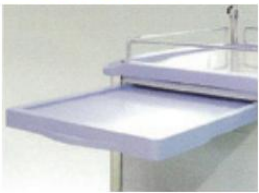
*Accessories (Option)

Defibrillator & Monitor Shelf



- 360° rotation.
- To use, move the shelf toward users' work area.

Sliding side panel



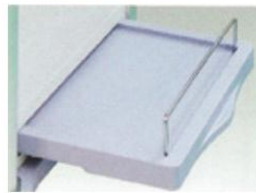
- In & Out type like a drawer.
- When moving, keep it into the cart.

Key



- Electron lock and unlock key.
- Solution of manual key loss.

Waste Box Shelf



- Adjustable to boxsize In & Out type like a drawer.

Container



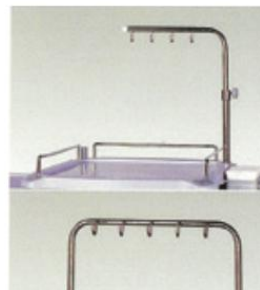
- Available for frequent use of routine implement.

Needle boxholder



- Institutional products standardized by ministry of health & welfare and ministry of environment.

I V Hanger



C.P.R Board



- Emergency case use.
- Detachable of the board on the rear of the cart.

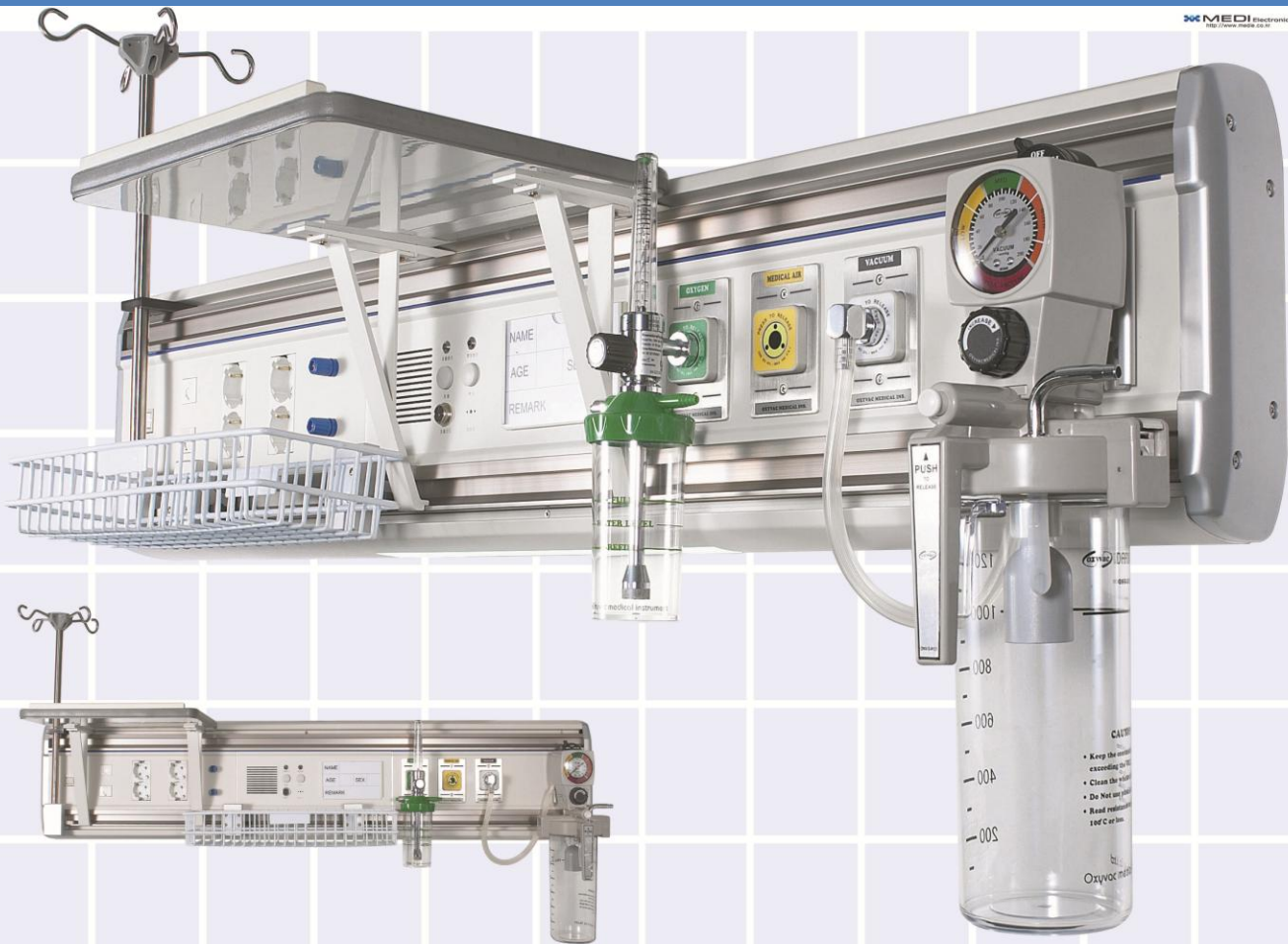
Dust box



- Useful design made by recyclable use and waste use.

BED HEAD UNIT & ACCESSORIES

MEDI electronics
MEDICAL ELECTRONICS 120-01

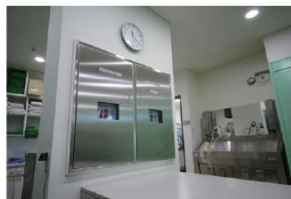
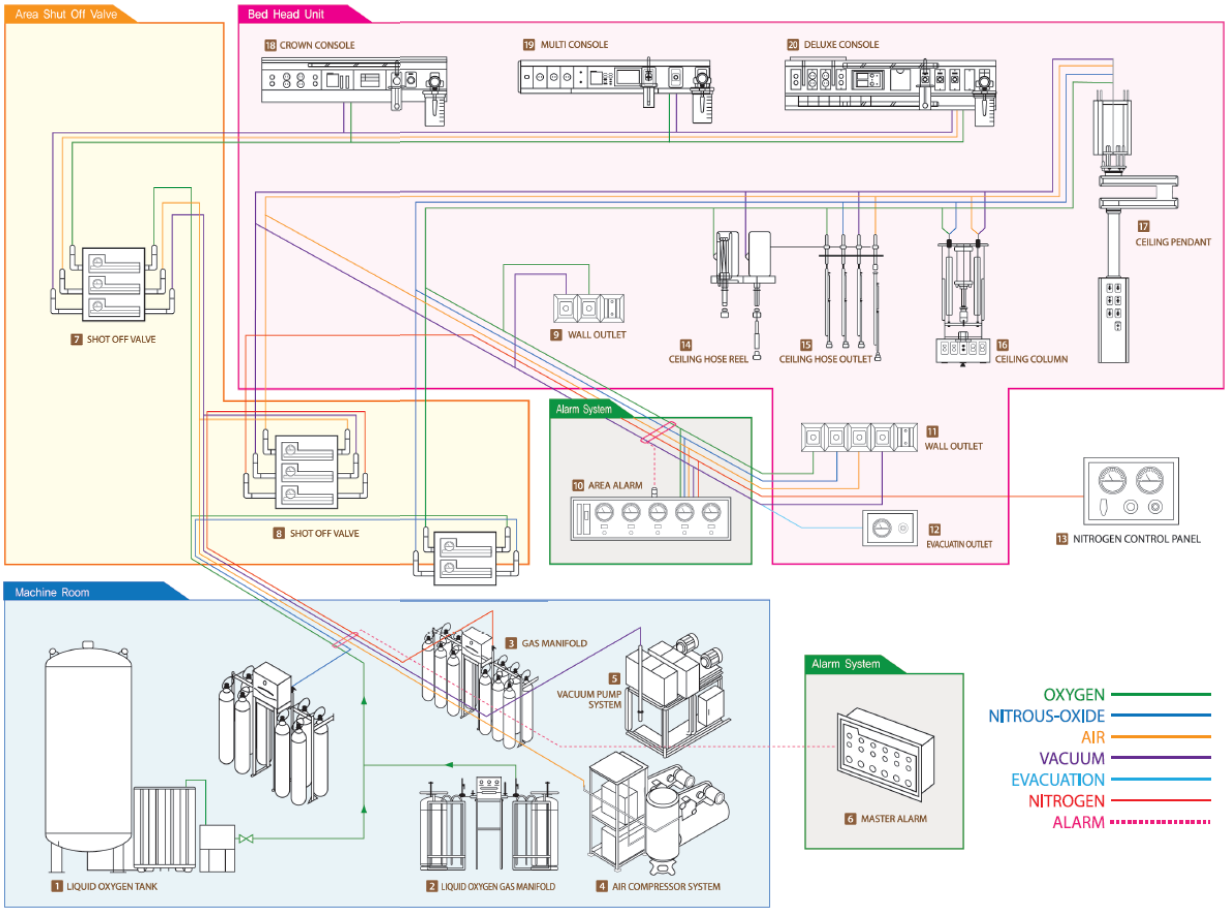


MEDI

BED HEAD UNIT & PARTS

MEDICAL GAS SUPPLY STRUCTURE

Our company deals with vital equipment and accessories, connected with secondary device, that control medical gas, supplied from central mechanism. Product differentiation will satisfy customers needs.



BED HEAD UNIT & PARTS

MEDICAL GAS SUPPLY STRUCTURE

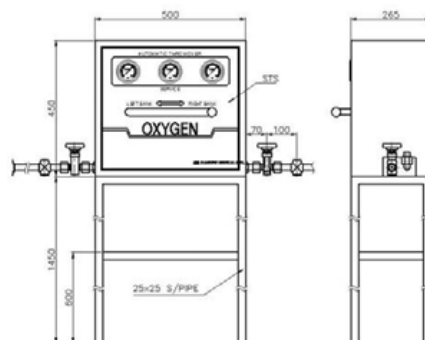
MANIFOLD SYSTEM

FEATURES

- Auto throw-over / free standing
- Dual Line pressure regulator
- High pressure regulator
- Easy to maintenance and installation
- Manual device manifold is also available on request.
- Maximum flow : 140N₂/Hr
- Cover : Stainless steel 500x450x1.2t
- Panel : Aluminum 2t color printed PP sheet coating
- Frame : square steel pipe 30x30



Model No.	Medical Gas	Outlet Pressure (kg/cm ²)	Max. Inlet Pressure (kg/cm ²)
ONV-MF-SA-01	O ₂	0 - 5	150
ONV-MF-SA-02	N ₂ O	0 - 5	150
ONV-MF-SA-05	CO ₂	0 - 5	150
ONV-MF-SA-04	N ₂	7 - 10	150



MASTER ALARM FEATURES

- Wall mounted for concealed piping type
- Medical gas High / Low pressure alarm
- Box : Steel 1.2t baked painting
- Panel : Steel 1.6 baked painting
- Electric : 110V, 220V / AC. 24V DC.0



AREA ALARM FEATURES

- Wall mounted for concealed piping type
- Medical gas abnormal pressure alarm
- Box : Steel 1.2t baked painting
- Panel : Steel 1.6 baked painting
- Electric : 110V, 220V / AC. 24V DC.

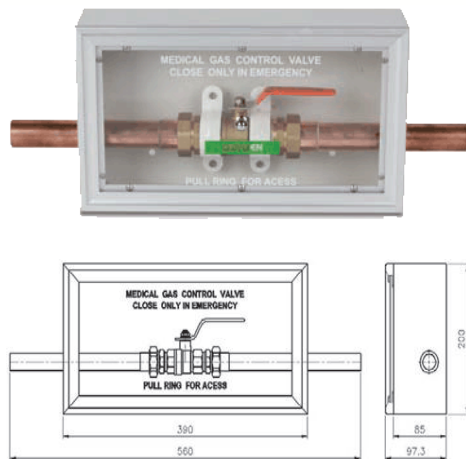


SHUT OFF VALVE

FEATURES

The door frame and window are constructed of anodized aluminum and are mounted by steel back assembly; the removable front window consists of clear poly carbonate and easily replaced without using tools.

- Wall mounted for concealed piping
- Frame : Square aluminum 12.3x31mm
- Cover : Emergency breakable acryl panel
- Box : Steel 1.2t baked painting
- Pressure : Max. 20kg/cm²/ Ball valve – KS D 5301
- Pipe Size : 10A, 15A, 20A, 25A, 32A, 40A, 50A, 65A



EXCESS GAS PURGING SYSTEM

Excess gas purging system is designed to safety remove exhaled anesthetic gas from operating room and this system shall be operated by air pressure with connection of excess gas outlet from anesthesia equipment.

- Wall mounted for concealed piping
- Frame : Square aluminum 12.3x31mm
- Panel : Stainless steel 1.2t baked finished
- Box : Steel 1.2t baked painting
- Inlet excess anesthetic gas & Diss type adaptor



GAS CONTROL PANEL

Nitrogen control panel is designed for an operating room, control center to control the high pressure (Max. 1,380 kPa)

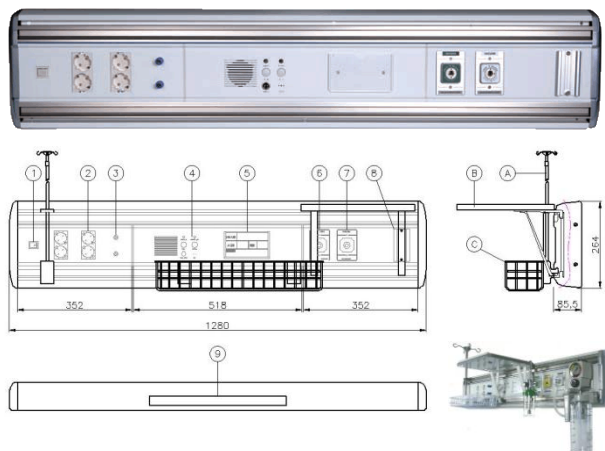
- Wall mounted for concealed piping
- Supply pressure gauge : 3,330 kPa (34 kgf/cm²)
- Outlet pressure gauge : 1,370 kPa (14 kgf/cm²)



BED HEAD UNIT & PARTS

BED HEAD UNIT[MD-BHU-A]

No.	Medical Gas	Outlet Pressure	Max.
1	Fluorescent Switch	Standard	1
2	220V Receptacle	45 Duplex	2
3	Ground Terminal	20A Duplex	1
4	Nurse Call System	Option	1
5	Name Plate	Standard	1
6	Oxygen Gas Outlet	Pin Index Push Type	1
7	Vacuum Outlet	Pin Index Push Type	1
8	Slide Base	Aluminum ± 2.3	1
9	Fluorescent Lamp	220V 20W	1
A	Infusion Pump Holder	Option	1
B	Sliding Monitor Shelf	Option	1
C	Utility Basket Large	Option	1

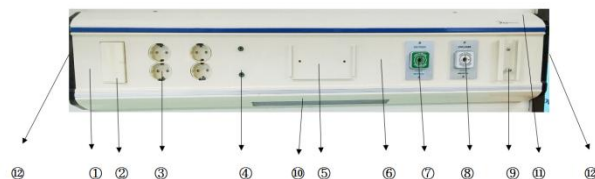


This type is designed to compose medical gas (oxygen, air, vacuum, N₂O) and its length can be changed according to customer Request.

- Nurse call option can be requested by customer.
- Length of standard : 1,280mm
- Main frame : Aluminum profile 3.0t anodizing finished.
- Upper & Lower accessory rail
- Cover : Aluminum profile 2.3t
- Panel : aluminum profile 2.3t baked painting

No.	Medical Gas	Outlet Pressure	Max.
1	Bed Head Unit Body	Standard	1
2	Fluorescent Switch	Standard	1
3	220V Receptacle	45 Duplex	2
4	Ground Terminal	20A Duplex	1
5	Nurse Call System	Option	1
6	Name Plate	Standard	1
7	Oxygen Gas Outlet	Pin Index Push Type	1
8	Vacuum Outlet	Pin Index Push Type	1
9	Slide Base	Aluminum ± 2.3	1
A	Fluorescent Lamp	220V 20W	1
B	Top and Base Cover		1
C	Side Cover		1

KM-1000 BED CON SOLE UNIT



This type is designed to compose medical gas (oxygen, air, vacuum, N₂O) and its length can be changed according to customer Request.

- Nurse call option can be requested by customer.
- Length of standard : 1,000mm
- Main frame : Aluminum profile 3.0t anodizing finished.
- Cover : Aluminum profile 2.3t
- Panel : aluminum profile 2.3t baked painting

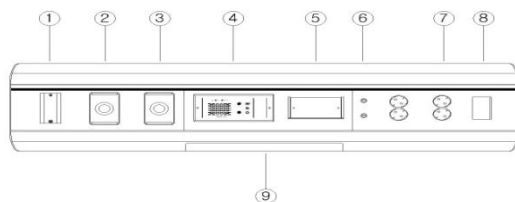
BED HEAD UNIT & PARTS

BED HEAD UNIT[MD-BHU-B]

BED HEAD UNIT & PARTS

BED HEAD UNIT[MD-BHU-C]

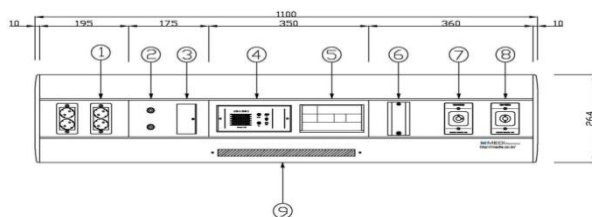
No.	Medical Gas	Outlet Pressure	Max.
1	Slide Base	Aluminum ± 2.3	1
2	Vacuum Outlet	Pin Index Push Type	1
3	Oxygen Gas Outlet	Pin Index Push Type	1
4	Nurse Call System	Option	1
5	Name Plate	Standard	1
6	Ground Terminal	20A Duplex	1
7	220V Receptacle	45 Duplex	2
8	Fluorescent Switch	Standard	1
9	Fluorescent Lamp	220V 20W	1



This type is designed to compose medical gas (oxygen, air, vacuum, N₂) and its length can be changed according to customer Request.

- Length of standard : 1,100mm
- Main frame : Aluminum profile 3.0t anodizing finished.
- Panel : aluminum profile 2.3t baked painting
- Cover : Aluminum profile 2.3t

No.	Medical Gas	Outlet Pressure	Max.
1	220V Receptacle	45 Duplex	2
2	Ground Terminal	20A Duplex	1
3	Fluorescent Switch	Standard	1
4	Nurse Call System	Option	1
5	Name Plate	Standard	1
6	Slide Base	Aluminum ± 2.3	1
7	Vacuum Outlet	Pin Index Push Type	1
8	Oxygen Gas Outlet	Pin Index Push Type	1
9	Fluorescent Lamp	220V 20W	1



This type is designed to compose medical gas (oxygen, air, vacuum, N₂) and its length can be changed according to customer Request.

- Length of standard : 1,100mm
- Main frame : Aluminum profile 3.0t anodizing finished.
- Panel : aluminum profile 2.3t baked painting
- Cover : Aluminum profile 2.3t

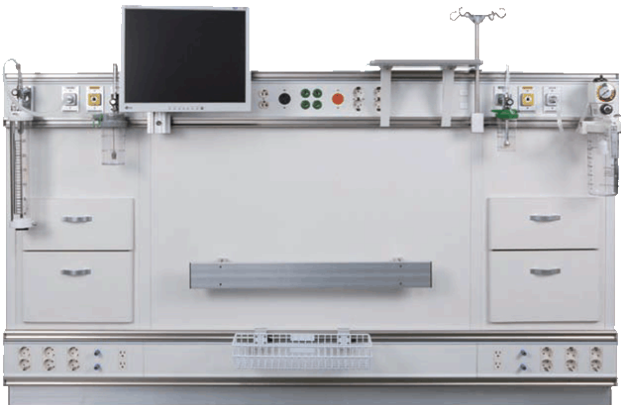
BED HEAD UNIT & PARTS

BED HEAD UNIT[MD-BHU-D]

DESK WALL SPECIAL UNIT[MD-DWS-A]

FEATURES

- Front panel : HPM 16t (Wilson Art).
- Top cover : HPM 30t (Wilson Art).
- Side panel : Steel 2.0t baked painting.
- Main frame : Aluminum profile 30t anodizing finished.
- Bed bumper : Aluminum profile 12t anodizing finished
- Front Panel : HPM 15t (Wilson Art)
- Individually matched according to requirements and needs.
- Color selection to complement your room design.
- Available every application service outlet can be optional fix of hospital requirement.
- Fast, simple, economical installation.
- Durability construction with aluminum profile and laminate panel.



CEILING PENDANT FOR OPERATING ROOM[MD-CP-A]

FEATURES

- Retractable & Turning Head (360 degree)
- Casting Jumbo Head
- Remote control switch
- Guide Body : AL 5.0t baked painting
- Panel : STS 304 1.5t baked painting
- 110V, 220V Electric Consent Outlet
- Ground Jack
- O₂, N₂O, Air, Vacuum Outlet
- Evacuation Outlet (Option)

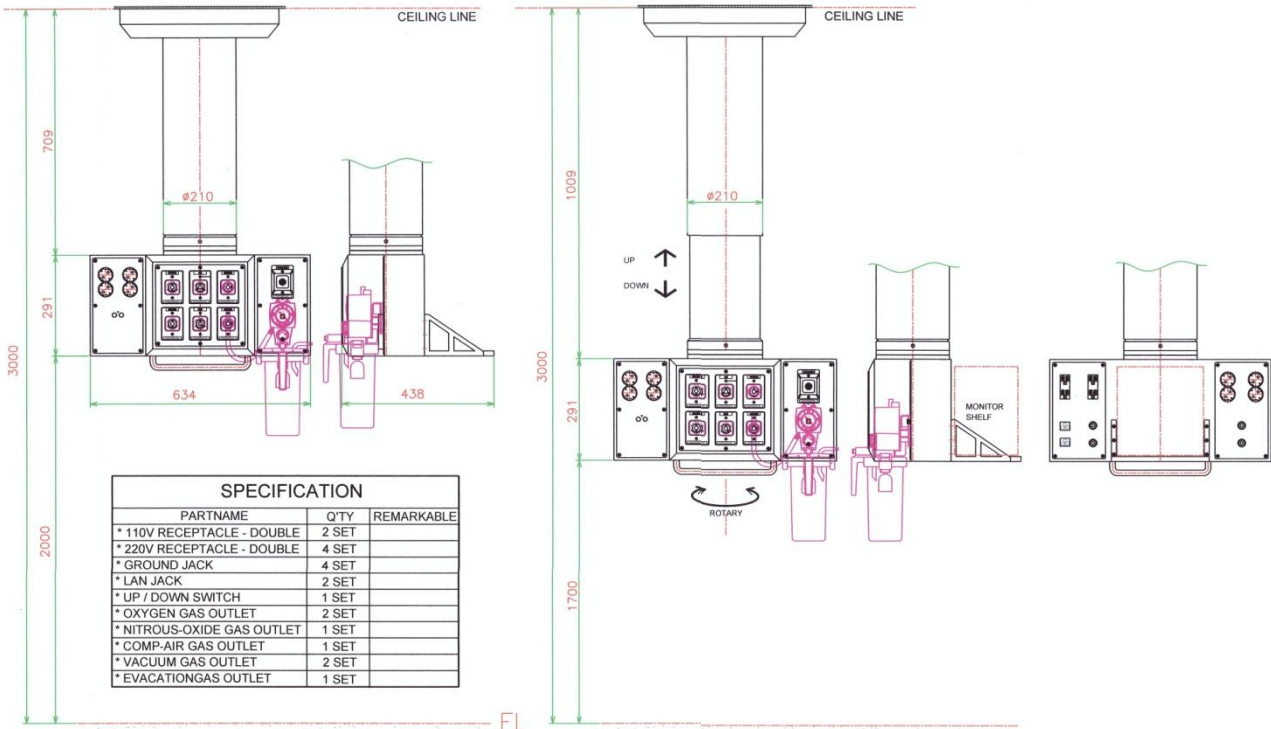


Front Side



Back Side

Electric Type Ceiling Column Assembly



FLOWMETER WITH HUMIDIFIER

BUBBLE TYPE[BB-015]

FEATURES

Oxygen supply level is regulated by Knob, rotation of which starts with 'click' sound, that differs from other similar products. It is done to avoid the overflow of the oxygen to the patient.

- Humidification Method : Gas Powered Type
- Medical oxygen with purity of 99.5% or higher
- Standard Pressure : 393 kPa (4.0 ± 0.5 kgf/cm²)
- Use Pressure : 345 kPa (3.5 kgf/cm²)
- Maximum Supply Flow rate : within 60 N LPM
- Humidifier (At 37°C) : 25% at Min. 10 mg/L
- Patient Tubing : 3/16" to 5/16" I.D. Tubing
- Safety Valve : The operation at 58.6 kPa por



FEATURES

Dual action reusable bubble or aerosol humidifier for choice of humidification levels.

Provide high out-put unheated aerosol to increase relative Humidity for respiratory therapy.

- Humidification Method : Gas Powered Type
- Medical oxygen with purity of 99.5% or higher
- Standard Pressure : 393 kPa (4.0 ± 0.5 kgf/cm²)
- Use Pressure : 345 kPa (3.5 kgf/cm²)
- Maximum Supply Flow rate : within 60 N LPM
- Humidifier (At 36.5°C)
- Bubble Mode : 27% at 10.3 mg/L
- Jet Mode : 41% at 17.5 mg/L



FLOWMETER WITH HUMIDIFIER

BUBBLE JET TYPE[BJ-015]

SUCTION UNIT

QUICK SEPRATE TYPE[MD-W01]

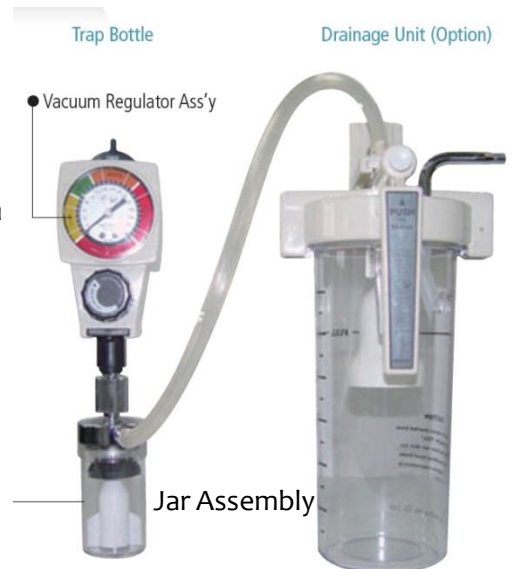
FEATURES

- Use Gas : Medical Vacuum
- Standard Suction Pressure : 40 to -101.3 kPa (-300 to -760 mmHg)
- Suction Pressure Control Range : 0.133 to -26.6 kPa (-1 to -200 mmHg)
- Maximum Suction Air Flow rate : 20 LPM
- Safety Device : Overflow Protector
- Vacuum regulator assembly (Slide & Hook base wall bracket)
- Durable ABS housing cover (One touch clamp)
- Unbreakable polycarbonate collection bottle 1.2L (1,200cc)



FEATURES

- Use Gas : Medical Vacuum
- Standard Suction Pressure : 40 to -101.3 kPa (-300 to -760 mmHg)
- Suction Pressure Control Range : 0.133 to -26.6 kPa (-1 to -200 mmHg)
- Maximum Suction Air Flow rate : 20 LPM
- Minimum Exhaust Flow rate : 1.5 LPM
- Safety Device : Overflow Protector
- Vacuum regulator ass'y (Direct vacuum adapter)
- BS Head Ass'y (Applied Diss adapter core)
- Unbreakable polycarbonate collection bottle 0.1L
- Drainage Unit : 1.2 L (Option)



SUCTION UNIT

TRAP BOTTLE TYPE[MD-W01-TB]

SUCTION UNIT

WATER MANOMETER TYPE[MD-WP-S]

FEATURES

- Water manometer type
(Use Gas : Medical Vacuum)
- Standard Pressure : -66 to 101.3 kPa
(-500 to -760 mmHg)
- Use Pressure : -0.13 to -2.45 kPa
(-1 to -18.4 mmHg)
- Suction Flow rate : Min. 15 LPM
- Collection Unit provide reliable over flow protection
- Drainage Unit : 1.2L (Option)
- Upper Block Assembly
(Suction control knob, Overflow Protection, Slide Hanger)
- Acrylic Cylinder : 0.8 L
- Lower Block Assembly (Drain Valve, Clamping Nut)

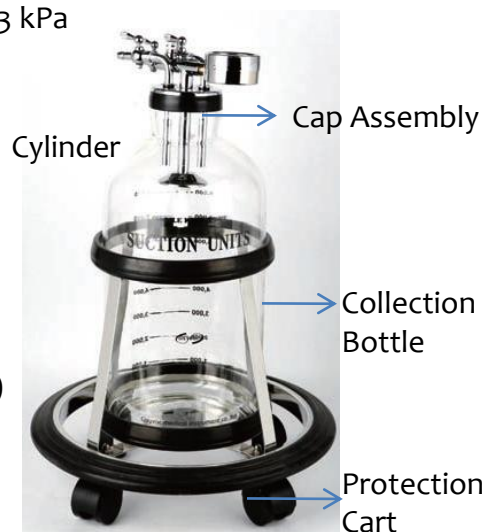
Drainage Unit(Optional)



FEATURES

This device is medical device that is used in surgery surgical operation area, recovery room, emergency area at hospital which terminal port of medical treatment gas piping equipment is established and is used continuous suction as high capacity device of comparative high vacuum pressure -40 to -101.3 kPa

- Movable kick type (Use Gas : Medical Vacuum)
- Standard Pressure : -40 to -101.3 kPa
(-300 to -750 mmHg)
- Use Pressure : -101.3 kPa (-750 mmHg)
- Suction Flow rate : Min. 20 LPM
- Collection Bottle Capacity : 8 L
- Cap Assy : Applied Power Nipple, Patient Nipple
(Suction control knob, Overflow Protection, P/Gauge)
- Collection Bottle : 8 L
- Protection Cart



SUCTION UNIT

MOVABLE KICK TYPE[MD-WP-SM]

BED HEAD UNIT PARTS

WALL OUTLET



Exposed Type



Buried Type

Wall outlet is divided into exposed and Buried types, according to latch valve style and standard the production which is composed with O₂, N₂O, Air, Vacuum is possible.

Model(Outlet Type)

Gas	Pin Index	Pin Index Push Button	Puritan Bennett	Ohmeda	Oxequip	Diss
O/V	ONV-WO-PI-2F	ONV-WO-PP-2F	ONV-WO-PB-2F	ONV-WO-OH-2F	ONV-WO-OX-2F	ONV-WO-DI-2F
O/A/V	ONV-WO-PI-3F	ONV-WO-PP-3F	ONV-WO-PB-2F	ONV-WO-OH-2F	ONV-WO-OX-2F	ONV-WO-DI-2F
O/N/A/V	ONV-WO-PI-4F	ONV-WO-PP-4F	ONV-WO-PB-2F	ONV-WO-OH-2F	ONV-WO-OX-2F	ONV-WO-DI-2F



Pin Index Push Type



Ohmeda Type



Medstar / Oxequip Type



Diss Type

BED HEAD UNIT PARTS

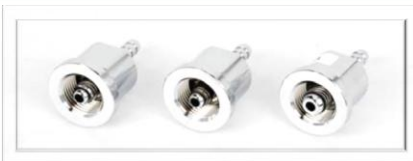
LATCH VALVE FOR GAS OUTLET

BED HEAD UNIT PARTS

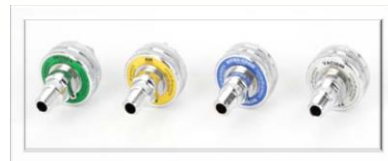
ADAPTER FOR WALL OUTLET



Medstar / Oxequip Type



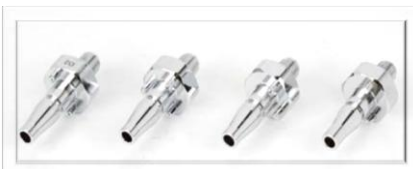
Diss Type



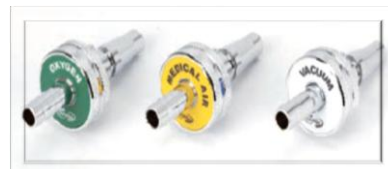
Ohmeda Type



Puritan Bennett Type



Pin Index Screw Type



Pin Index Hose Type



Schrader Type



Chemitron Type

Parts No.	Part Name
ONV-ME-AD-N2-18	MEDSTAR ADPTER 1/8" MNPT N2O
ONV-ME-AD-AI-18	MEDSTAR ADAPTER 1/8" MNPT AIR
ONV-ME-AD-OX-18	MEDSTAR ADAPTER 1/8" MNPT OXYGEN
ONV-ME-AD-VA-18	MEDSTAR ADAPTER 1/8" MNPT VACUUM
ONV-ME-CO-N2-18	MEDSTAR/OXEQUIP COUPLER 1/8" FPT N2O
ONV-ME-CO-AI-18	MEDSTAR/OXEQUIP COUPLER 1/8" FPT AIR
ONV-ME-CO-OX-18	MEDSTAR/OXEQUIP COUPLER 1/8" FPT OXYGEN
ONV-ME-CO-VA-18	MEDSTAR/OXEQUIP COUPLER 1/8" FPT VACUUM
ONV-ME-CO-NP-14	MEDSTAR/OXEQUIP COUPLER 1/4" MNPT
ONV-PB-CO-N2-18	PB COUPLER 1/8" FPT NO LABEL N2O
ONV-PB-CO-AI-18	PB COUPLER 1/8" FPT NO LABEL AIR
ONV-PB-CO-OX-18	PB COUPLER 1/8" FPT NO LABEL OXYGEN
ONV-PB-CO-VA-18	PB COUPLER 1/8" FPT NO LABEL VACUUM
ONV-PB-CO-WA-18	PB COUPLER 1/8" FPT NO LABEL WAGD
ONV-PB-CO-N2-14	PB COUPLER 1/4" FPT NO LABEL N2O
ONV-PB-CO-WA-14	PB COUPLER 1/4" FPT NO LABEL WAGD
ONV-SH-CO-N2-18	SHRADER COUPLER 1/8" FNPT N2O
ONV-SH-CO-AI-18	SHRADER COUPLER 1/8" FNPT AIR
ONV-SH-CO-OX-18	SHRADER COUPLER 1/8" FNPT OXYGEN
ONV-SH-CO-VA-18	SHRADER COUPLER 1/8" FNPT VACUUM
ONV-SH-CO-SOX-18	SHRADER COUPLER 1/8" FNPT SPECIAL AIR
ONV-SH-CO-MOX-18	SHRADER COUPLER 1/8" MNPT OXYGEN
ONV-PI-AD-OX-14	INT'L FTNG JAPANESE MAIL OXY 1/4" HB
ONV-PI-AD-AI-14	INT'L FTNG JAPANESE MAIL AIR 1/4" HB
ONV-PI-AD-VA-14	INT'L FTNG JAPANESE MAIL VACCUM 1/4" HB
ONV-PI-AD-N2-14	INT'L FTNG JAPANESE MAIL N2O 1/4" HB
ONV-PB-AD-WA-18	PB ADAPTER 1/8" MNPT WAGD



Medstar / Oxequip Type



Ohmeda Ceiling Type



Puritan Bennett Type



Schrader Type

BED HEAD UNIT PARTS

COUPLER FOR GAS OUTLET

BED HEAD UNIT PARTS

OPTIONAL ACCESSORIES

Monitor Shelf



Infusion Holder



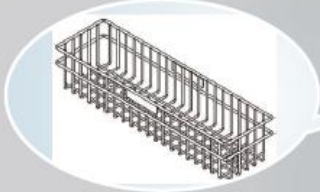
Race way rail (Patent)



Monitor Bracket



Basket



HOSPITAL STERILIZER



 **MEDI** Electronics

HOSPITAL STERILIZER - CLASS B -

HEXS SERIES B Class Steam Sterilizer

Trusted performance & exceptional results

The HEXS series steam sterilizer is a reliable and robust Class B, pre vacuum sterilizer that uses advanced tabletop technology available. Chamber has compact outer dimensions making it perfectly fit for modern clinic. The HEXS is designed to sterilize class B cycles. A common application is the usage to the medical operating room as an independent sterilization unit that needs to sterilize narrow and hollow instruments and wrapped packs.



HOSPITAL STERILIZER

HOSPITAL STERILIZER - CLASS B -

Features

- Designed to sterilize class B cycles - packaged, porous and hollow a load
- Improved monitoring for consistent documentation of sterilization results.
- Easy-to-use, and touch control system
- Large Water Reservoir
- Door lock device provides easier and convenience closing and opening by touching on the control panel once.

Patented Chamber

- HEXS Series (HEXS-40, HEXS-50, HEXS-60) can be selected depending on the size and length of the instrument.
- Hexagon type sterilization chamber was designed to maximize the sterilization room space by installing the heater at separate heating room under the sterilization room.



Patented Chamber Embossing

The inner surface of sterilization chamber is embossed for giving structure facilitation for the circulation of steam and air, improving drying and sterilizing power.

HOSPITAL STERILIZER - CLASS B -



Class B Performance

Class B performance is achieved with a built-in vacuum pump used for fractionated pre vacuum air removal, eliminating air pockets from all load types and maximizing efficient steam penetration throughout the entire load.

Convenient Water Filling

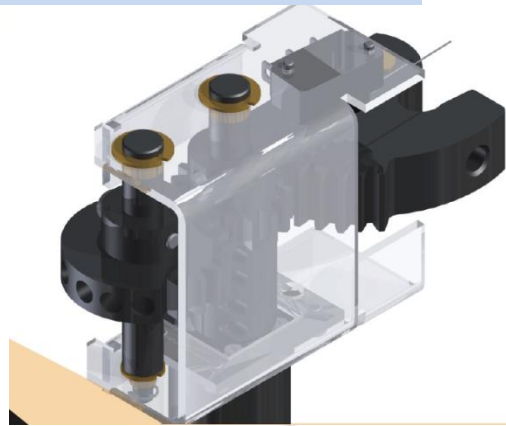
- Accessible front top water filling.
- Front water filling available for easier supply.
- Automatic water supply available depends on user environment.



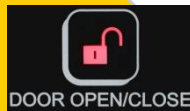
Easy Filter Change(Printer-option)

- Filter changeable at front side.
- The steam sterilizer automatically notifies you the message for filter replacement.

HOSPITAL STERILIZER - CLASS B -



Close



Open

Automatic Locking Door by Touch Button

- Newly designed door is easy to open and close with one touch button click system.
- Auto locking with double safety locking mechanism.(inter-lock)

Safety Features

- Cycle will not start if the door is open or not properly locked.
- An automated double locking safety device prevents the door from opening while the chamber is pressurized.
- Safety locking device prevents door from opening until chamber pressure reaches atmospheric pressure.



HOSPITAL STERILIZER - CLASS B -



Touch Control Panel

Touch the icon button softly for operating. User can hear a sound and see Led lights to confirm the correct operation.

LCD Basic Cycle



Sterilization Mode Select

Current pressure

Current temperature



Water level

Time control

HOSPITAL STERILIZER

HOSPITAL STERILIZER - CLASS B -

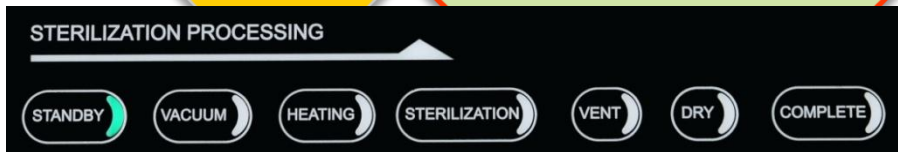
Test or Re-dry



Test or Re-Dry Select

Select LEAKAGE TEST CYCLE and user can check if there is any leakage before operation.
 Select BOWIE-DICK CYCLE and user can test the sterilizing ability before operation.
 (Tested best practices - Refer to page 41.)

Sterilization Processing



The LED lights above show the process in progress

Check the error number



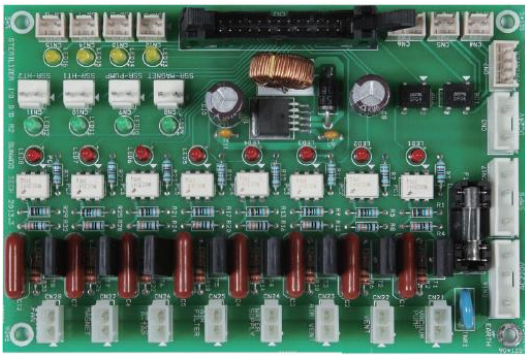
Err No : 1 - DOOR UNLOCK	The door unlocked
Err No : 2 - WATER FILL	Water level sensor failure
Err No : 3 - WATER SUPPLY	Water not supplied
Err No : 4 - FILTER CHANGE	Filter blocked
Err No : 5 - LOW TEMP	Low temperature
Err No : 6 - HIGH TEMP	Overheated
Err No : 7 - LOW PRESSURE	Low pressure
Err No : 8 - HIGH PRESSURE	High pressure
Err No : 9 - HEATER	Temperature sensor failure
Err No : 10 - PUMP CHECK	Low vacuum pressure
Err No : 11 - LEAKAGE	Chamber leak

HOSPITAL STERILIZER

HOSPITAL STERILIZER - CLASS B -

Main PCB

- One chip micom controller for convenient processing.
- LCD display to show the conditions of each cycle and functions such as error detection and water supply, filter replacement.
- User can change the date and time, etc. directly from the SETUP.
- User can change directly STER TIME, DRY TIME before start.
- User can check the elapsed time and remaining process time.
- Process monitoring by led lamp.



Fractioned Pre Vacuum Air Removal

Hollow, porous and packed load types as well as fabrics have one thing in common : Air is trapped inside these instruments and fabrics, resulting in air pockets that prevent the full penetration of steam. It is known that spores and bacteria can survive at 133°C in air pockets. Also maximize the forced evacuation of moisture to the dry state in a vacuum pump DRY process.

HOSPITAL STERILIZER - CLASS B -

Testing Illustration

3M Comply Bowie-dick test pack

Bowie-dick tested



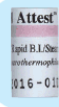
Before



After

BI
(Biological
indicator)
tested

3M Attest rapid read out Biological indicator test pack



In order to test the reliability of sterilizer, it is recommended to test at least once a week and daily testing will give better effects, of course.

Especially for Implant, Surgical Kit, and Osteotome, user has to test every time before sterilizing.



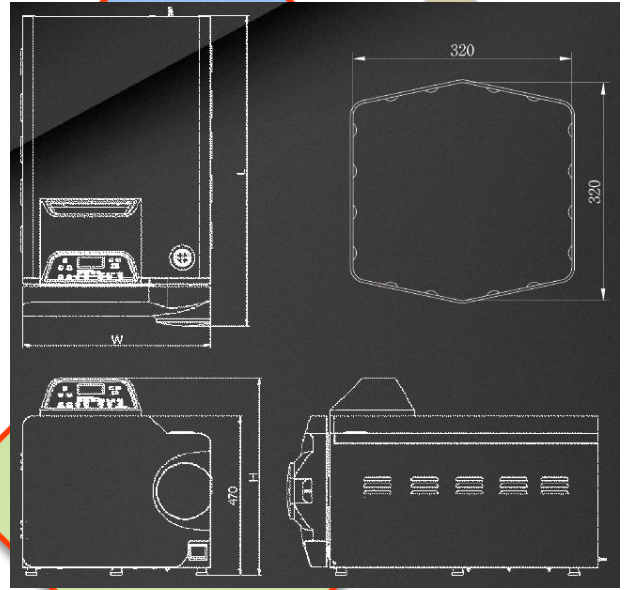
HOSPITAL STERILIZER

HOSPITAL STERILIZER - CLASS B -

HEXS 40 / 50 / 60 SERIES



Specifications



	HEXS-40	HEXS-50	HEXS-60
DIMENSION(mm)	W550×H580×L694	W550×H580×L804	W550×H580×L914
CHAMBER SIZE	W320XH320XD440	W320XH320XD555	W320XH320XD670
POWER SOURCE	AC 220V		
FREQUENCY	50/60 Hz		
POWER CONSUMPTION	3150W	3350W	3550W
CHAMBER RESERVOIR	Hexagon Type 40ℓ 5ℓ	Hexagon Type 50ℓ 6ℓ	Hexagon Type 57ℓ 7ℓ
CONTROL TEMPERATURE AND PRESSURE	121°C/110kPa 133°C/210kPa		
SOUND(dB)	60dB		
WEIGHT(kg)	80kg	90kg	100kg

Accessories

	HEXS-40, HEXS-50, HEXS-60	
STANDARD	POWER PLUG	1EA
	DRAIN HOSE	1EA
	TRAY	1EA
Optional	CART	1SET
	PRINTER	1SET

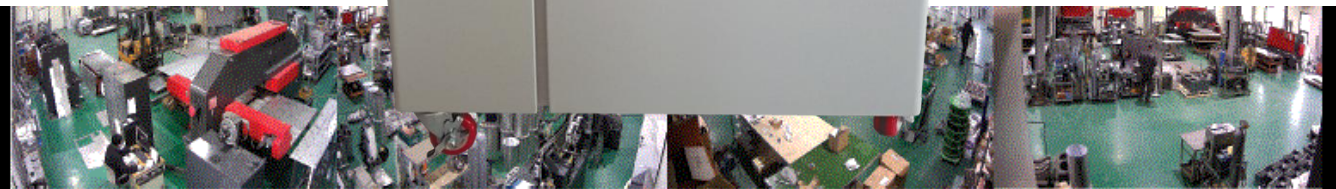
HOSPITAL STERILIZER

HOSPITAL STERILIZER (SJ-AC-45/62/81/103L)

SJ Autoclave

Fully Automated Vertical Steam Sterilizer

- ◆ Over 30 years of experience in producing autoclaves
- ◆ Fully Automated Cycle Sterilization System
- ◆ Ideal for Environmental, Biotechnology and Food Industry
- ◆ Maximizes Safety & Efficacy of Sterilization by PID Controller System



HOSPITAL STERILIZER

HOSPITAL STERILIZER (SJ-AC-45/62/81/103L)

Automated Cycle Sterilization

- Pre-Vacuum → Filling Water → Heating → Sterilization → Exhaust.
- Timer activates automatically when temperature reaches at 121°C.
- Sterilization begins for the given time period.

Semi-Permanent Use

- Made with stainless steel for internal chamber, door, and door jig for long lasting use.
- Options to choose various colors for the external chamber, which is made of SS41 steel plate.

Safety is Assured

- Preventive system to control the excessive temperature (1st and 2nd steps) or overpressure. (1st, 2nd and 3rd steps)
- Greater safety & efficacy of operation using PID Controller to set the temperature, timer, reservation and auto-tuning.

Specifications

Model	SJ-AC45	SJ-AC60	SJ-AC80	SJ-AC100
Type	Fully Automatic type			
Chamber Type	Round Vertical type			
Capacity	45 liters	62 liters	81 liters	103 liters
Chamber (ØxH)m/m	300 x 650	350 x 650	400 x 650	450 x 650
Dimension (WxDxH)m/m	680 x 480 x 1070	680 x 480 x 1070	790 x 590 x 1170	790 x 590 x 1170
Heater Capacity	2kw	3kw	4kw	4kw
Temp Range	Ambient to 130°C			
Temp Controller	LED Microprocessor programmable control			
Time Range	99 Hours 59 min Digital Display			
Temp Sensor	Pt -100Ω(exclusive use for sterilizing), Auto tuning			
Accuracy	±0.5°C			
Material(in) (out)	Stainless steel SS41 steel plate and powder coating			
Door System(out)	One touch handle type (single screw door)			
Basket	Stainless steel (#304)exclusive use for sterilizing 2ea			
Pressure Range	0~3kg/cm ² (analog)			
Using Pressure	0~1.2kg/cm ²			
Wheel	Silicon carrier w/ fixed screw frame			
Electronic Power	AC 220v, 60Hz Single-phase			
Safety Dvice	Safely pressure valve, over temp. controller N.F.B. Buzzer,switch,-etc-			

HOSPITAL STERILIZER (SJ-AC-45/62/81/103L)

Automated Cycle Sterilization

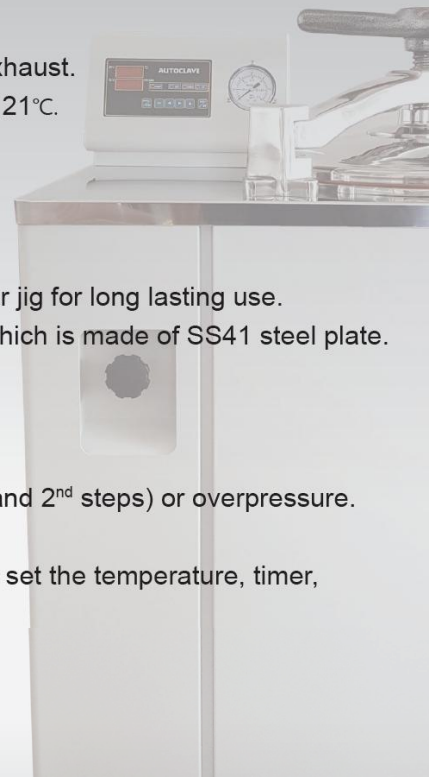
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- Sterilization begins for the given time period.

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- Preventive system to control the excessive temperature (1st and 2nd steps) or overpressure. (1st, 2nd and 3rd steps)
- Greater safety & efficacy of operation using PID Controller to set the temperature, timer, reservation and auto-tuning.



Specifications

Model	SJ-AC45	SJ-AC60	SJ-AC80	SJ-AC100
Type	Fully Automatic type			
Chamber Type	Round Vertical type			
Capacity	45 liters	62 liters	81 liters	103 liters
Chamber (ØxH)m/m	300 x 650	350 x 650	400 x 650	450 x 650
Dimension (WxDxH)m/m	680 x 480 x 1070	680 x 480 x 1070	790 x 590 x 1170	790 x 590 x 1170
Heater Capacity	2kw	3kw	4kw	4kw
Temp Range	Ambient to 130°C			
Temp Controller	LED Microprocessor programmable control			
Time Range	99 Hours 59 min Digital Display			
Temp Sensor	Pt -100Ω(exclusive use for sterilizing), Auto tuning			
Accuracy	±0.5°C			
Material(in) (out)	Stainless steel SS41 steel plate and powder coating			
Door System(out)	One touch handle type (single screw door)			
Basket	Stainless steel (#304)exclusive use for sterilizing 2ea			
Pressure Range	0~3kg/cm ² (analog)			
Using Pressure	0~1.2kg/cm ²			
Wheel	Silicon carrier w/ fixed screw frame			
Electronic Power	AC 220v, 60Hz Single-phase			
Safety Device	Safely pressure valve, over temp. controller N.F.B. Buzzer,switch,-etc-			

HOSPITAL STERILIZER (SJ-AC-45/62/81/103L)

Detailed view



PID Controller : Sets temperature, timer, reservation & auto-tuning
Pressure Gauge : Checks the pressure condition



Steam Exhaust
 When sterilization is finished, open the steam valve to exhaust steam



Door
 Silicon packing lid is installed to prevent the leakage of steam



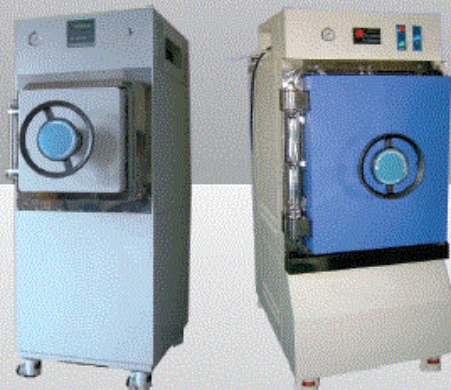
Integral Silicon Packing
 Seamless packing prevents from leakage



Main Switch
 Power On/Off switch prevents short circuit



Manual Steam Valve Knob
 Manually exhaust steam by turning the knob



**Medium & Large size Autoclaves
(Horizontal)**

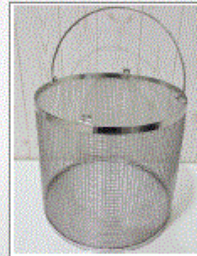
※ All size and type can be custom made

Chamber



1 Heater cover & 2 wire baskets

Accessories



Basket wire

45 Liter	Ø280 x 255(h)
62 Liter	Ø320 x 255(h)
81 Liter	Ø370 x 255(h)
103 Liter	Ø425 x 255(h)

※ All size can be custom made
 ※ Make a Basket perforated



Gasket

45 Liter	Ø300
62 Liter	Ø350
81 Liter	Ø400
103 Liter	Ø450

※ All size can be custom made



Heater Cover

45 Liter	Ø280 x 45(h)
62 Liter	Ø330 x 45(h)
81 Liter	Ø380 x 45(h)
103 Liter	Ø430 x 45(h)

※ All size can be custom made



Heater

2 Kw
 3 Kw

※ Nipple is made of stainless steel and does not rust.

HOSPITAL STERILIZER (SJ-AC-45/62/81/103L)



Pid Controller : Sets temperature, Timer, reservation & auto-tuning



Steam Exhaust : When sterilization is finished, open the steam valve to exhaust steam



Door : Silicon packing lid is installed to prevent the leakage of steam



Integral Silicon Packing : Seamless packing prevents leakage



Main Switch : Power on/off switch prevents short circuit



Manual Steam Valve Knob : Manually exhaust steam by turning the knob

HOSPITAL STERILIZER (SJ-AC-45/62/81/103L)



Chamber
1 heater cover
& 2 wire baskets



**Medium & Large size Autoclaves
(Horizontal)**

※ All size and type can be custom made

HOSPITAL STERILIZER (SJ-AC-45/62/81/103L)



Basket wire

45 Liter	Ø280 x 255(h)
62 Liter	Ø320 x 255(h)
81 Liter	Ø370 x 255(h)
103 Liter	Ø425 x 255(h)

- ※ All size can be custom made
- ※ Make a Basket perforated



Gasket

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62 Liter	Ø350
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Heater Cover

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- ※ All size can be custom made



Heater

2 Kw

3 Kw

- ※ Nipple is made of stainless steel and does not rust.



**MOLECULAR
DIAGNOSIS TEST KIT**

PaxView® STI6 MPCR-ULFA Kit

Overview

Sexually transmitted infections are major cause of morbidity in sexually active individuals and continue to pose major medical, social and economic burden worldwide. Untreated STIs can lead to infertility and increase the risk for genital cancers in both men and women. PaxView STI6 MPCR-ULFA Kit is designed for the detection of Chlamydia trachomatis(CT), Neisseria gonorrhoeae(NG), Ureaplasma urealyticum(UU), Mycoplasma genitalium(MG), Mycoplasma hominis(MH) and Trichomonas vaginalis(TV) DNA, using multiplexed polymerase chain reaction (PCR) and universal ateral flow assay(ULFA) which is based on DNA-DNA hybridization on the nitrocellulose membrane. The outstanding specificity and sensitivity of this kit allows faster and accurate diagnosis of 6 STI pathogens compared to that of traditional methods of detection such as culturing. The sensitivity and dynamic range of PaxView STI6 MPCR-ULFA Kit are 10 copies/reaction and 8 logs, respectively.

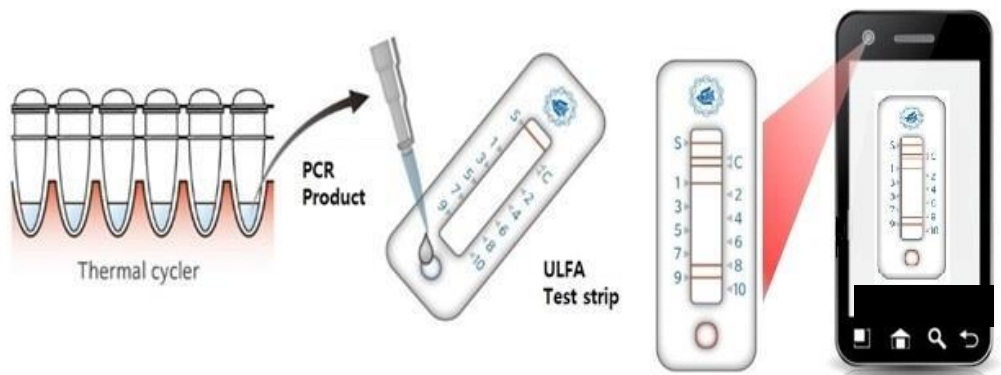
Targets

Line No.	Target species	Line No.	Target species
1	Chlamydia trachomatis(CT)	9	Mycoplasma genitalium(MG)
3	Neisseria gonorrhoeae(NG)	11	Mycoplasma hominis(MH)
5	Trichomonas vaginalis(TV)	12	Internal positive control
7	Ureaplasma urealyticum(UU)	13	Standardization line

[Table 1. List of Target species of STI6 MPCR-ULFA Kit]

Principles

The PaxView STI6 MPCR-ULFA is an original technology that can amplify a target gene from the sample with the use of target specific/universal primers and enable the visual inspection of a result of DNA hybridization on the nitrocellulose membrane between amplified single stranded universal DNA and complementary universal probe. When reaction buffer including PCR product is added to the sample pad, it moves to the nitrocellulose membrane and hybridizes along with universal probe that is immobilized on the specific region of the nitrocellulose membrane. Finally, it is easy to visually check the result within 15 min after adding PCR product



Kit Components

Product	Cat. No.	Quantity
PaxView® DNA Extraction Kit	D20101	50 rxn
PaxView® STI6 Amplification Kit	MP1006	50 rxn
PaxView® ULFA Detection Kit	UD3006	50 rxn

[Table 2. List of components of STI6 MPCR-ULFA Kit]

Specimen & Storage

- Urine
- Sample store in 2~8°C for up to 7 days or -20~80°C for long term.

Features and Benefits

- Visually check for infection and pathogens in the urine
- 6 STI causing pathogens in one assay
- High sensitive and fast detection assay (15 min)

	DNA extraction	PCR	Gel electrophoresis	Assay time
PCR	○	○	○	3.5 hr
STI6 MPCR-ULFA	○	○	X	2 hr

Ordering information

Product	Cat. No.	Quantity
PaxView® DNA Extraction Kit		50 rxn
PaxView® STI6 Amplification PCR Kit		50 rxn
PaxView® ULFA Detection Kit		50 rxn
Bioer Termal Cycler–GeneQ		24 wells

References

1. Anderson MR, Klink K, and Cohrssen A. Evaluation of vaginal complaints. *JAMA*. 2004(291): 1368–1379.
2. Eckert LO. Clinical practice. Acute vulvovaginitis. *N Engl J Med*. 2006(355): 1244–1252.
3. Ryu JS, and Min DY. *Trichomonas vaginalis* and trichomoniasis in the Republic of Korea. *Korean J Parasitol*. 2006(44): 101–116.
4. Denks K, Spaeth EL, Joers K, Randoja R, Talpsep T, Ustav M, and Kurg R. Coinfection of *Chlamydia trachomatis*, *Ureaplasma urealyticum* and human papillomavirus among patients attending STD clinics in Estonia. *Scand J Infect Dis*. 2007(39): 714–718.
5. Lowe NK, Neal JL, and Ryan–Wenger NA. Accuracy of the clinical diagnosis of vaginitis compared with a DNA probe laboratory standard. *Obstet Gynecol*. 2009(113): 89–95.



PaxView® HPV/HSV6 MPCR-ULFA Kit



Overview

The human papillomavirus (HPV) infects mucosal and cutaneous epithelia and is one of the most common sexually transmitted infections. Currently there are over 100 known HPV genotypes associated with a number of diseases including many cancers, particularly cervical cancer. HPV types are often referred to as low-risk and high-risk, based on whether they put a person at risk for cancer. Two types (16 and 18) cause 70% of cervical cancer and precancerous cervical lesions. Therefore a sensitive and specific detection of human papillomaviruses (HPV) in cervical samples is a useful tool for the early diagnosis of epithelial neoplasia and anogenital lesions.

The herpes simplex virus-1 (HSV) is mainly transmitted by oral to oral contact to cause infection in or around the mouth. HSV-2 is almost exclusively sexually transmitted, causing infection in the genital or anal area. However HSV-1 can also be transmitted to the genital area through oral-genital contact to cause genital herpes.

PaxView® HPV/HSV6 MPCR-ULFA Kit is designed for the simultaneous detection of high-risk types (16, 18) and low-risk (6, 11) of human papilloma virus (HPV) and herpes simplex virus (HSV) 1 and 2 DNA, using multiplexed polymerase chain reaction (PCR) and universal lateral flow assay (ULFA) which is based on DNA-DNA hybridization on the nitrocellulose membrane.

The sensitivity and dynamic range of PaxView® HPV/HSV6 MPCR-ULFA Kit are 10 copies/reaction and 8 logs, respectively.

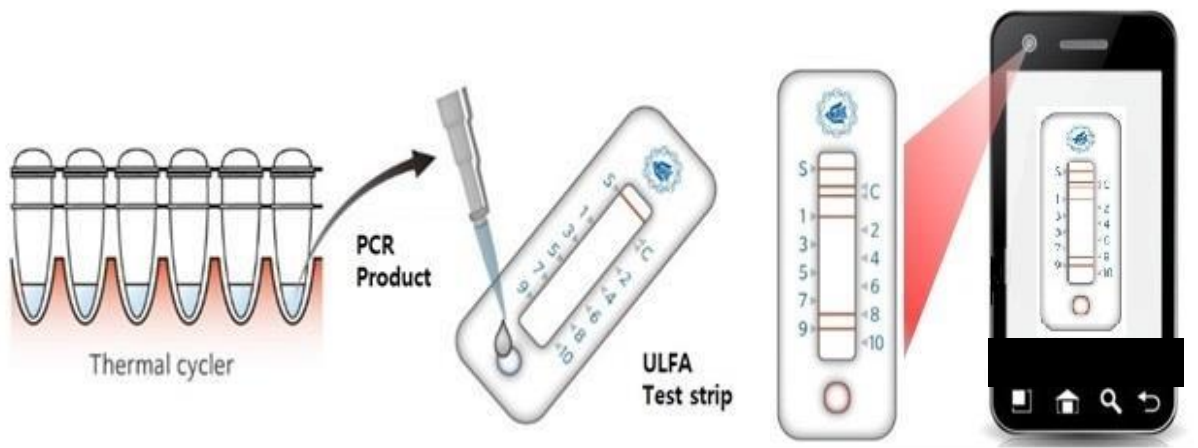
Targets

Line No.	Target species	Line No.	Target species
1	HPV16	9	HSV1
3	HPV18	11	HSV2
5	HPV6	12	Internal positive control
7	HPV11	13	Standardization line

[Table 1. List of Target species of HPV/HSV6 MPCR-ULFA Kit]

Principles

The PaxView® HPV/HSV6 MPCR-ULFA is an original technology that can amplify a target gene from the sample with the use of target specific/universal primers and enable the visual inspection of a result of DNA hybridization on the nitrocellulose membrane between amplified single stranded universal DNA and complementary universal probe. When reaction buffer including PCR product is added to the sample pad, it moves to the nitrocellulose membrane and hybridizes along with universal probe that is immobilized on the specific region of the nitrocellulose membrane. Finally, it is easy to visually check the result within 15 min after adding PCR product.



Kit Components

Product	Cat. No.	Quantity
PaxView® DNA Extraction Kit	D20101	50 rxn
PaxView® HPV/HSV6 Amplification Kit	MP2006	50 rxn
PaxView® ULFA Detection Kit	UD3006	50 rxn

[Table 2. List of components of HPV/HSV6 MPCR-ULFA Kit]

Specimen & Storage

- Urine
- Sample store in 2~8℃ for up to 7 days or -20~80℃ for long term.

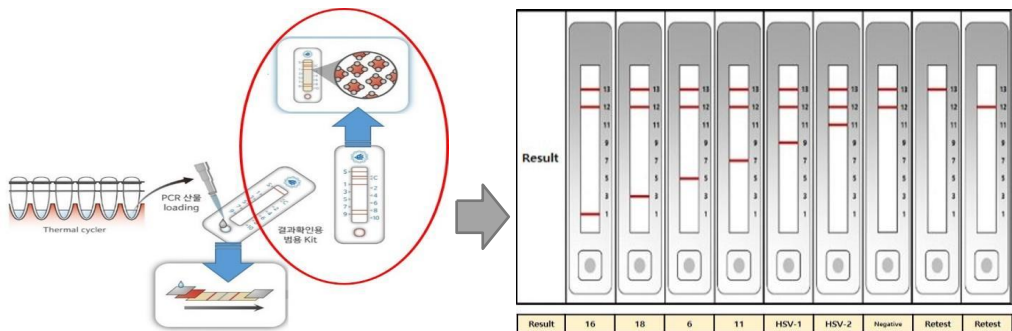
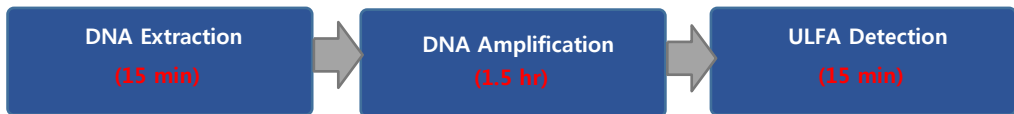
Features and Benefits

- Visually check for infection and genotypes of HPV/HSV6 in the urine
- High-risk(16, 18) and low-risk(6, 11) of HPV and HSV-1, HSV-2 simultaneous detection in one assay
- High sensitive and fast detection assay (15 min)

	DNA extraction	PCR	Gel electrophoresis	Assay time
PCR	○	○	○	3.5 hr
HPV/HSV6 MPCR-ULFA	○	○	X	2 hr

[Table 1. The comparison test procedures and assay time between conventional PCR and HPV/HSV6 MPCR-ULFA]

Performances



Amplification System

- Bioer Termal Cycler- GeneQ

Limit of Detection(LOD)

	HPV16	HPV18	HPV6	HPV11	HSV1	HSV2
LOD	10	10	1	100	10	10
	fg/ul	fg/ul	pg/ul	fg/ul	fg/ul	fg/ul

Ordering information

Product	Cat. No.	Quantity
PaxView® DNA Extraction Kit	D20101	50 rxn
PaxView® HPV/HSV6 Multiplex PCR Kit	MP2006	50 rxn
PaxView® ULFA Detection Kit	UD3006	50 rxn
Bioer Thermal Cycler–GeneQ	–	24 wells

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3. A. Chua, C. Y. Yean, M. Ravichandran B. Lim and P. Lalitha. A rapid DNA biosensor for the molecular diagnosis of infectious disease. 2011. *Biosensors and Bioelectronics.* 26. 3825–3831.



TO THE WORLD, TO THE FUTURE!

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Thank you

 **MEDI** Electronics

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