colin

Spot Check and Monitor
HBP-T105

OMRON

Flexibility and comfort!

Innovative and original, the new monitor HBP-T105 has been designed to provide Flexibility of use for you and Comfort for the patient, along with quality and measurement reliability.

Fitting closely to your needs
Available with NIBP, SPO$_2$ and temperature, specifically designed for bed to bed checks or monitoring. It also integrates physiological alarms and NIBP interval function

Easy to use
One button operation to take blood pressure

Faster Measurement
New COLIN blood pressure module equipped with High-Speed function

Highly Ergonomic
Innovative 40 degrees angled display for easy viewing, without any effort

Backlit function buttons
Suitable for reduced light conditions, such as a night time ward

With the new T105 monitor device, make your daily work flexible and gain on comfort!

Part of the new COLIN brand monitors, the HPB-T105 has been designed not only for bed to bed checks, widely used at hospitals and clinics' general wards, but also for monitoring as it integrates physiological alarms and NIBP interval function to be able to scope patient in bad condition for a few hours. This explains why flexibility and comfort are really the guideline concepts of this new device.

The "high-speed" blood pressure function of the monitor HBP-T105 saves time for staff, reduces stress and improves patient's comfort

Colour leds and backlight reinforce the screen high visibility even in reduced light conditions

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SYS	108
MAP	02
DIA	62

PR	65
SpO2	98 %SpO2
TEMP	36.5 ℃

5 min   mmHg   kPa

12:00

Alarms and interval functions allow staff to use the device as a monitor for critical patients
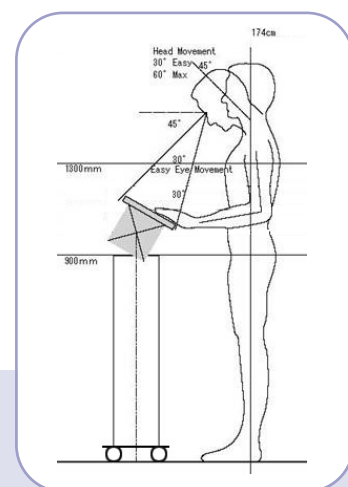
One main switch to activate NIBP measurement

Ergonomic trolley

A brand new ergonomic trolley made of composite material.

This very light shock-resistant new device is easy to handle and is perfectly adapted for bed to bed checks.
Optional storage accessories are available.

Ergonomic display

Ergonomic position of the display reinforces the screen high visibility to read the measurements.

Spot check and monitor HBP-T105

Model	HBP-T105
MDD Classification	Class IIb
Alarm	Yes(*)
Interval	Yes(*)
Display type	LED display
Dimensions	Main unit: 239 (W) x 239(D) x 150(H) [mm]
	AC adaptor: 150 (W) x 47(D) x 75(H) [mm]
Weight	Main Unit (w/o Printer) : 1.9 [kg]
	AC adaptor：0.5 [kg]
	Built-in battery：1.5 [kg]
Degree of protection (enclosures)	IP21
Type of protection	Type BF – Applied part
Protection type for electric shock	Class I
Safety Standard	IEC60601-1: 1998 + A1: 1991 + A2: 1995

(*) Physiological alarms. All configurations are equipped with technical alarm, alerting of measurement or operational error.

Recorder (Optional)

Weight	200g
Print head	Thermal
Paper width	58 mm

Power requirement

AC power supply	100-240V ~ 50/60Hz
Battery Power supply	12V
Standard type	Lead acid battery
Operating time	6 hours, when fully charged, no printing, NIBP measurement every 15minutes, in-power saving mode, at 25°C
Charging time	6 hours, from fully empty to fully charged
Battery saving mode function	Yes

Environmental conditions

Operating Temperature	0 - 40°C
Storage Temperature	-20 to 60°C
Operating Humidity	30 to 85% (not condensed)

Standard Accessories

AC adaptor	1 pc
AC adaptor cable	1 pc
Built in battery	1 pc
Cuff Hose (Adult, 3.5m)	1 pc
Cuff (Adult, regular size)	1 pc
SpO2 cable (DOC-10)	1 pc (w/ Nellcor SpO2 option only)
SpO2 sensor (DS-100A)	1 pc (w/ Nellcor SpO2 option only)
SpO2 cable (LNC-10)	1 pc (w/ Masimo SpO2 option only)
SpO2 sensor (LNCS DCI)	1 pc (w/ Masimo SpO2 option only)
Temperature probe (IVAC 2887)	1pc (w Alaris Temp option only)
Probe cover((IVAC P850A)	1pc (w/ Alaris Temp option only)
Operation manual	1 pc
Printer paper (No.17)	2 rolls (w/Printer option only)

Optional accessories

Roll stand	Roll stand specifically designed for general wards!
Cuffs	Latex free full range of reusable adult cuffs (small, regular, large, extra large) and disposable cuffs for newborn / infant

Complete accessory list available from your supplier.

Non-invasive Blood Pressure (NIBP)

Measurement Technology	Oscillometric method
Measurement method	Linear deflation
Measurement Time	Normal / High speed selectable
Memory	400 measurements
Pressure display range	0 to 299 mmHg
Pressure display accuracy	± 3mmHg
NIBP Measurement range	
Adult/pediatric mode	
SYS	60 to 250mmHg
MAP	45 to 235mmHg
DIA	40 to 200mmHg
Pulse rate	40 to 200bpm
Neonatal mode	
SYS	40 to 120mmHg
MAP	30 to 100mmHg
DIA	20 to 90mmHg
Pulse rate	40 to 240bpm
NIBP accuracy	ANSI / AAMI SP-10
Pulse rate accuracy	± 2% or ± 2 beats
Standards	IEC60601-2-30:1999, EN 1060-1:1995+A1:2002 And EN 1060-3 :1997

SpO₂ option - Nellcor (Pulse oximeter)

Measurement method	2 wavelength pulse wave type (OxiMax® technology)
Measurement range	70 to 100% SpO2
Measurement accuracy	± 2 % SpO2 (70 - 100 %SpO2 when using SpO2 disposable MAX-A)
	± 3 % SpO2 (70 - 100 %SpO2 when using SpO2 disposable sensor DS-100A)
Pulse Rate Measurement range	20 to 250bpm
Pulse Rate Measurement accuracy	± 3bpm
Display update	Less than 10 sec.
Standards	ISO9919:2005

SpO₂ option - Masimo (Pulse oximeter)

Measurement method	2 wavelength pulse wave type (Masimo SET® technology)
Measurement range	70 to 100% SpO2
Measurement accuracy	± 2 %SpO2 (75 -100 %SpO2.DCI)
	± 3 % SpO2 (50- 74 %SpO2.Neo)
Pulse Rate Measurement range	25 to 240bpm
Pulse Rate Measurement accuracy	± 3 bpm
Display update	Less than 10 sec.
Standards	ISO9919:2005

Temperature (BT) Option – Alaris

Measurement method	Turbo Temp™ Electronic Predictive Thermometer
Measurement site	Sub lingua, Axilla
Probe Type	IVAC® 2887 A (Produced by Alaris)
Measurement range	35.6 °C – 41.1°C (Calculated method)
	26.7 °C - 41.1 °C (Actual method)
Measurement accuracy	± 0.1°C (Actual method)
Standard	EN12470-4:2000

Configurations

Model	Function	Official model name per configuration	NIBP	SpO₂	Temp	Printer	Alarm	Interval
HBP-T105	Spot only & Monitor	HBP-T 105 N	●				●	●
		HBP-T 105 NX ne / ma	●	●			●	●
		HBP-T 105 NXT ne / ma	●	●	●		●	●
		HBP-T105 NP	●			●	●	●
		HBP-T 105 NXP ne / ma	●	●		●	●	●
		HBP-T 105 NXTP ne / ma	●	●	●	●	●	●

ne = Nellcor technology
ma = Masimo technology

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