



We Truly **MAKE IN INDIA**
All Modules indigenous.

Clarity

Clarity of thought..... spearheading diagnostic technology



Syringe Pump
CMSYP-01

Energy efficient with advanced features

Salient Features

- High resolution RGB display
- Unique voice alarm system
- Pressure release on occlusion
- Automatic calculation
- Auto detection of drug volume
- Restore last setting with additional volume
- 100+ drugs in library
- Adjustable TFT brightness
- Variable alarm pause time setting
- Battery capacity indicator
- Sound and visual alarm
- RS-232 Serial link

Technical specification

GENERAL

Weight	≤ 1.2 kg
Overall Size Pump	Closed L 206 x H 156 x D 102
	Open L 305 x H 156 x D 102

DISPLAY

Screen Type	Color TFT
Display Area	3.2"
Resolution	240x320 (RGB)

ELECTRICAL

Power Input	9 V DC adaptor
Battery	Li-ion 7.4V / 2200 mAh
Charging Time	5 hours
Operating Time	More than 8 hours after fully recharge at 15ml/h

ENVIRONMENTAL

Operating Temp.	0 to 45°C
Operating Humidity	5 to 95% RH (non-condensing)
Storage Temperature	-25 to 70°C

SYRINGE PUMP

Loading	Front
Supported Syringe Size	10, 20, 50/60 ml
Syringe brand calibration	All brands, User selectable major brands and manual calibration of local brands
Modes	Normal, KVO, Body Weight Mode & Patient Control Anaesthesia
Flow Rate Range	10 ml = 0.1 ml/hr-300.0 ml/hr 20 ml = 0.1 ml/hr-400.0 ml/r 50/60 ml = 0.1 ml/hr -1000 ml/hr
Least count in flow rate	0.1 ml/hr
Syringe size Auto Detection	Yes
Drug Name	More than 100 drug in library
Alarms	Near Empty, Over, Occlusion Syringe Dislocation, Malfunction Low Batt, Low Batt, Shutting down
Occlusion	a. Low = 300+/- b. Medium = 500+/- c. High = 900+/-
Total Volume Range	0.1 - 9999 ml
Bolu	Manual

Clarity Range Products

Cardiology:

- **ECG:** ECG-1Ch / 2Ch / 3Ch / 4Ch / 6Ch / 12Ch A4 (With Display)
- **TMT:** True ST (USB Powered) / Bluetooth (Battery Powered)
TrueST-BT+ (NIBP Automatic)
- **Patient Monitor:** Spectra Gold (15") / Smart+ (12.1") / Slim+ (10.4") / Radiant(7")
15", 12.1", 10.4" Monitors are configurable upto 7 Parameters
[ECG, SPO2, Respiration, Temperature, NIBP, IBP1,2,3 Ch
(Optional), EtCo2 (Optional)] Oxyplus 240ST

Neurology:

- **EEG:** BrainTech - 24 / 32 / 40Ch
- **NCS/EP's/EMG :** EasyTrace 2CH, Ocopus 2Ch / 4Ch / 8Ch,
ECochG

Audiology / Pulmonology : ERG, BERA, Spirometer



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• Specification are subject to change without prior notice