

Transforming
**MOBILE
HEALTHCARE**



ACENDIS APM-300 "Louis I"
VITAL SIGNS PATIENT MONITOR

APM-300 "LOUIS I"

PORTABLE VITAL SIGNS PATIENT MONITOR

ACENDIS APM-300 "Louis I" monitor is intended to be used for monitoring, displaying, reviewing, storing and alarming of multiple physiological parameters of patients, including Pulse Oxygen Saturation (SpO₂), Pulse Rate (PR), Non-invasive Blood Pressure (NIBP), Carbon dioxide (CO₂) and Temperature (Temp).

Moreover, it has a built-in rechargeable battery, ensuring continuous monitoring of patients in the course of operation. It can be used in outpatient departments and emergency treatment rooms of hospitals, community clinics, private clinics and other medical institutions. **ACENDIS APM-300 "Louis I"** is also suitable for monitoring of vital signs of children and infants.



OPTIONS

- Infra-Red Ear Thermometer
- Nellcor™ Pulse Oximetry SpO₂
- Massimo SET® Pulse Oximetry
- EtCO₂ (Sidestream)



OVERVIEW

- NIBP, Pulse Rate & SpO₂
- 7" full colour anti-glare TFT LCD display
- Lightweight, portable & user-friendly interface for easy operation
- Lithium battery
- Powerful storage capacity



TECHNICAL SPECIFICATIONS

GENERAL

SIZE AND WEIGHT

- Size: 160 x 130 x 260 mm (W x H x D)
- Weight: (2.5 kg) (Including a lithium battery)

DISPLAY

- Type: 7" Colour Anti-glare TFT LCD
- Resolution: 234 x 480 pixels

POWER SUPPLY

- Input Voltage: AC 100 V ~ 240 V, 50 Hz / 60 / Hz
- Input Power: 70 VA
- Fuse: T1.6 AL / 250 V, 2 - Φ 5 x 20 mm

BATTERY

- Type: 11.1 V 4000 mAh rechargeable lithium ion battery
- Operating Time: > 8 hours
- Charge Time: 6 h to 100 % (Standby)

DATA STORAGE

- Clinic Mode:
 - Patient Quantity: 1000
 - Recording Number: 16000
 - Single patient Clinic Record Number: 1 ~ 16000
- Monitor Mode:
 - Patient Quantity: 1
 - Trend data: resolution 1Min: can store 96 hours
 - resolution 5Min: can store 480 hours
 - resolution 10Min: can store 960 hours
 - Alarm Events: 1000
 - NIBP Measurement Record: 5000

ENVIRONMENTAL SPECIFICATIONS

- Operating
 - Temperature: (5 ~ 40) °C
 - Humidity: \leq 85 % (noncondensing)
 - Atmospheric Pressure: (860 ~ 1060) hPa
- Transportation and Storage
 - Temperature: (-20 ~ +55)
 - Humidity: \leq 93 % (noncondensing)
 - Atmospheric Pressure: (500 ~ 1060) hPa

PR

- Measurement range: 20 ~ 250 bpm
- Resolution: 1 bpm
- Accuracy: \pm 1 % or \pm 1 bpm, whichever is the greater

PERFORMANCE

BLT DIGITAL SpO₂

- Measurement Range: (0 ~ 100) %
- Resolution: 1 %
- Accuracy:
 - \pm 2 % (70 % ~ 100 %)
 - \pm 3 % (35 % ~ 69 %)
- Unspecified: (0 ~ 34 %)

NELLCOR SPO₂ (OPTION)

- Measurement Range: (0 ~ 100) %
- Resolution: 1 %
- Accuracy:
 - \pm 2% (70 % ~ 100 %) (adult)
 - \pm 3% (70 % ~ 100 %) (neonate)
 - \pm 2% (70 % ~ 100 %) (low perfusion)
- Unspecified: (0 ~ 69 %)

NIBP

- Technique: Automaticoscillometry
- Range: Adult: 10 ~ 270 mmHg
- Child: 10 ~ 235 mmHg
- Neonate: 10 ~ 135 mmHg
- Accuracy: Static \pm 3 mmHg
- Clinic: Average Error: \pm 5 mmHg
- Standard Deviation: \leq 8 mmHg
- Unit: mmHg, kPa
- Pulse Rate Range: 40 ~ 240 bpm

MICROSTREAM EtCO₂ (OPTION)

- Measurement Way: Infrared spectrum
- Measurement Mode: Sidestream
- Sample Flow Rate: 50 ml/min \pm 10 ml/min
- Measurement Range: (0 ~ 19.7) %, (0 ~ 150 mmHg)
- Resolution: 0.1 % or 1 mmHg
- Unit: %, mmHg, kPa
- Accuracy:
 - \pm 2 mmHg 0 mmHg to 40 mmHg,
 - \pm 5 % of reading 41 mmHg to 70 mmHg,
 - \pm 8 % of reading 71 mmHg to 100 mmHg,
 - \pm 10 % of reading 101 mmHg to 150 mmHg,
 - (760 mmHg, temperature is 25 °C)
 - (when RR > 80 rpm, all the range is \pm 12 % of reading)

STANDARD CONFIGURATION

NIBP, Digital SpO₂, PR, Lithium Battery

OPTION

Micro Steam EtCO₂, Nellcor SpO₂,
Instant Infra-Red Ear Thermometer

