DRE Waveline Pro

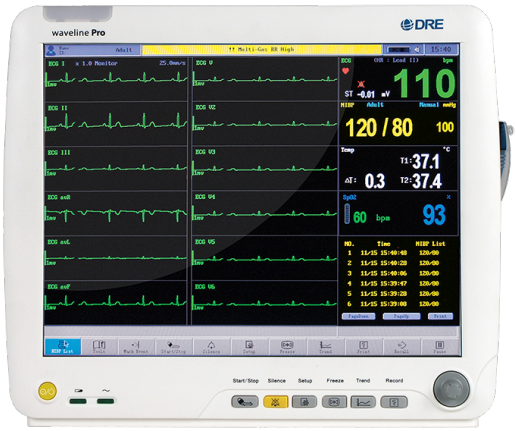
Anesthesia Monitor

Superior performance with a high-resolution touch screen

The DRE Waveline Pro is a dependable, affordable touch-screen monitor that can accommodate a full range of acuity levels for all areas of patient care. It displays as many as eight colorful waveforms on a crisp 15” high resolution screen.

FEATURES

- Masimo SET® Pulse Oximetry — ask your DRE representative for details
- Large (15”), touch-screen with high-resolution flat panel display
- Displays as many as eight waveforms
- Multi-lead simultaneous ECG monitoring
- Optional Integrated Dräger Anesthesia Gas Bench expands measurement capabilities
- Automatically set alarm limits
- Optional agent bench is compact and part of main unit. All in one monitor!
- Graphical and tabular trending
- Color-coded alarms
- Standby button
- Patient data entry
- Networking capability
- Works with EMR and wireless telemetry systems
- Large time stamp in upper right corner
- Volume and Sounds are adjustable and can be turned off completely
- Option to print Numerical Data Only
- Color of the waveforms can be changed
- Battery backup (two removable batteries)
- Available with a built-in thermal printer



SPECIFICATIONS

Weight:
17.6 lbs (8 kg)
(including anesthetic agents module and batteries)

Height:
12.1”
(309 mm)

Width:
14.4”
(365 mm)

Depth:
6.3”
(159 mm)

Touch-screen Display:
15”

Source:
External AC power or internal battery

AC Power:
100 - 240VAC, 50/60Hz, 150VA

Battery:
Built-in and rechargeable lithium ion

Operating Time:
3+ hours

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www.dremed.com
www.avantehs.com

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Performance

Trace: 8 waveforms

Indicator:
- Alarm indicator
- Power indicator
- QRS beep and alarm sound

Trend Time: 1 - 72 hours

Recorder:
- Built-in, thermal array, 3 channels
- Record width: 48mm
- Recorder paper: 50mm
- Record speed: 25mm/s, 50mm/s

ECG

Input: 5-lead ECG cable and standard AAMI line for connection

Lead Choice: I, II, III, aVR, aVF, aVL, V, V1-V6, TEST

Gain Choice: x0.5, x1, x2, x4

Frequency Characteristic: 0.05 ~ 35 HZ (+3dB)

ECG Waveforms: 7 channels

Penetration Voltage: 4000VAC 50/60Hz

Sweep Speed: 12.5, 25, 50 and 100 mm/sec (left to right or right to left)

HR Display Range: 30 ~ 300bpm

Accuracy: ±1bpm or ±1%, whichever is greater

Alarm Limit Range Setting:
- Upper limit 100 ~ 200bpm,
- Lower limit 30 ~ 100bpm

NIBP

Measuring Technology: automatic oscillating measurement

Cuff Inflating: <30s (0 ~ 300 mmHg, standard adult cuff)

Measuring Period: AVE<40s

Mode: Manual, Auto

Measuring Interval in AUTO Mode: 2 min ~ 4 hrs

Pulse Rate Range: 30 ~ 250 (bpm)

Measuring Range:
- Adult/Pediatric Mode: SYS: 40 ~ 250 (mmHg) DIA:15 ~ 200 (mmHg)
- Neonatal Mode: SYS: 40 ~ 135 (mmHg) DIA: 15 ~ 100 (mmHg)

Accuracy:
- Maximum Mean error: ±5mmHg
- Maximum Standard deviation: 8mmHg

TEMP

Range: 25 ~ 50 (°C)

Accuracy:
- ± 0.2°C (25.0 ~ 34.9°C)
- ± 0.1°C (35.0 ~ 39.9°C)
- ± 0.2°C (40.0 ~ 44.9°C)
- ± 0.3°C (45.0 ~ 50.0°C)

Display Resolution: 0.1°C

Alarm Limit Setting:
- Upper limit 0 ~ 50°C,
- Lower limit 0 ~ 50°C

Channel: 2 channels

Masimo SET SpO_2

SpO_2 Accuracy (non-motion):
- Adult Pediatric: 70~100%: ±2%, 0~69%: unspecified
- Neonate: 70~100%: ± 3%, 0~69%: unspecified

SpO_2 Accuracy (motion):
- Adult Pediatric: 70~100%: ±3%, 0~69%: unspecified
- Neonate: 70~100%: ± 3%, 0~69% : unspecified

SpO_2: ±2 %

PR: ±3 bpm

Modes:
- Averaging mode: 2,4,8,10,12, 14 and 16s
- Sensitivity: Normal, APOD and Maximum

PR Accuracy (non-motion):
- Neonate: 70~100%: ± 3%, 0~69% : unspecified
- Adult Pediatric Neonate: 25~240 bpm: ±3 bpm

PR Accuracy (motion):
- Adult Pediatric Neonate: 25~240 bpm: ±5 bpm

Measuring Range:
- SpO2: 1~100%
- PR: 25~240 bpm
- Perfusion: 0.02~20%

Low Perfusion Performance: > 0.02 % Pulse Amplitude and % Transmission > 5

RESP

Measure Method: RA-LL impedance

Range: 0 ~ 120 rpm

Sweep Speed: 12.5, 25, 50 and 100 mm/sec (left to right or right to left)

Alarm Limit Setting:
- Upper limit 6 ~ 120 rpm,
- Lower limit 3 ~ 120 rpm

Accuracy: ±3 rpm

Networking

Industry standard 802.11b/g wireless network

IBP

Measurement Range: -50 ~ 300mmHg

Channel: 2 channels

Pressure Transducer: sensitivity, 5ÂµV/V/mmHg

Transducer Sites: ART, PA,CVP, RAP, LAP, ICP

Unit: mmHg/kPa selectable

Resolution: 1mmHg

Accurancy: ±1mmHg or ±2%,whichever is greater

Alarm Range: -10 ~ 300mmHg

Impedance Range: 300 ~ 3000ω

Optional

$EtCO_2$, Cardiac Output, and Anesthetic Agents

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