

DRE Waveline Pro

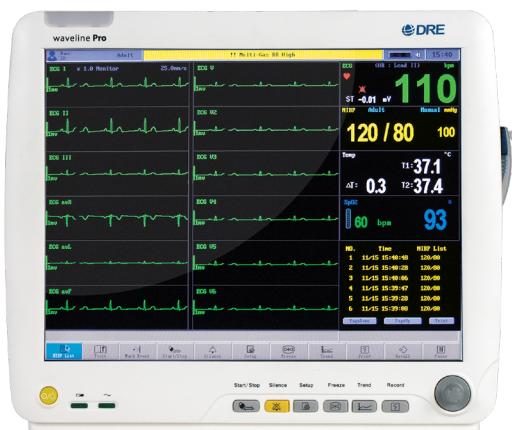
Anesthesia Monitor

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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Performance

Trace: 8 waveforms

Trend Time: 1 - 72 hours

Indicator:

Alarm indicator
Power indicator
QRS beep and alarm sound

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

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

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

HR Display Range: 30 ~ 300bpm

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

Accuracy: ± 1 bpm or $\pm 1\%$, whichever is greater

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

Alarm Limit Range Setting:

Upper limit 100 ~ 200bpm,
Lower limit 30 ~ 100bpm

ECG Waveforms: 7 channels

Penetration Voltage: 4000VAC
50/60Hz

NIBP

Measuring Technology: automatic oscillating measurement

Measuring Range:

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

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

Accuracy:

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

Pulse Rate Range: 30 ~ 250 (bpm)

TEMP

Range: 25 ~ 50 (°C)

Display Resolution: 0.1°C

Accuracy:

$\pm 0.2^\circ\text{C}$ (25.0 ~ 34.9°C)
 $\pm 0.1^\circ\text{C}$ (35.0 ~ 39.9°C)
 $\pm 0.2^\circ\text{C}$ (40.0 ~ 44.9°C)
 $\pm 0.3^\circ\text{C}$ (45.0 ~ 50.0°C)

Alarm Limit Setting:

Upper limit 0 ~ 50°C,
Lower limit 0 ~ 50°C

Channel: 2 channels

Optional

EtCO₂, Cardiac Output, and Anesthetic Agents

Masimo SET SpO₂

SpO₂ Accuracy (non-motion):

Adult Pediatric: 70~100 %: $\pm 2\%$,
0~69%: unspecified
Neonate: 70~100 %: $\pm 3\%$,
0~69 %: unspecified

PR Accuracy (non-motion):

Neonate: 70~100 %: $\pm 3\%$,
0~69 % : unspecified
Adult Pediatric Neonate:
25~240 bpm: ± 3 bpm

SpO₂ Accuracy (motion):

Adult Pediatric: 70~100 %: $\pm 3\%$,
0~69%: unspecified
Neonate: 70~100 %: $\pm 3\%$,
0~69 % : unspecified

PR Accuracy (motion):

Adult Pediatric Neonate:
25~240 bpm: ± 5 bpm

Measuring Range:

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

SpO₂: $\pm 2\%$

PR: ± 3 bpm

Modes:

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

Low Perfusion Performance:

>0.02 % Pulse Amplitude and %
Transmission >5

RESP

Measure Method: RA-LL impedance

Alarm Limit Setting:

Range: 0 ~ 120 rpm

Upper limit 6 ~ 120 rpm,
Lower limit 3 ~ 120 rpm

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

Accuracy: ± 3 rpm

IBP

Measurement Range:

-50 ~ 300mmHg

Unit: mmHg/kPa selectable

Resolution: 1mmHg

Channel: 2 channels

Pressure Transducer: sensitivity,
5 μ V/V/mmHg

Accuracy: ± 1 mmHg or
 $\pm 2\%$, whichever is greater

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

Alarm Range: -10 ~ 300mmHg

Impedance Range: 300 ~ 3000 ω

Networking

Industry standard 802.11b/g wireless network