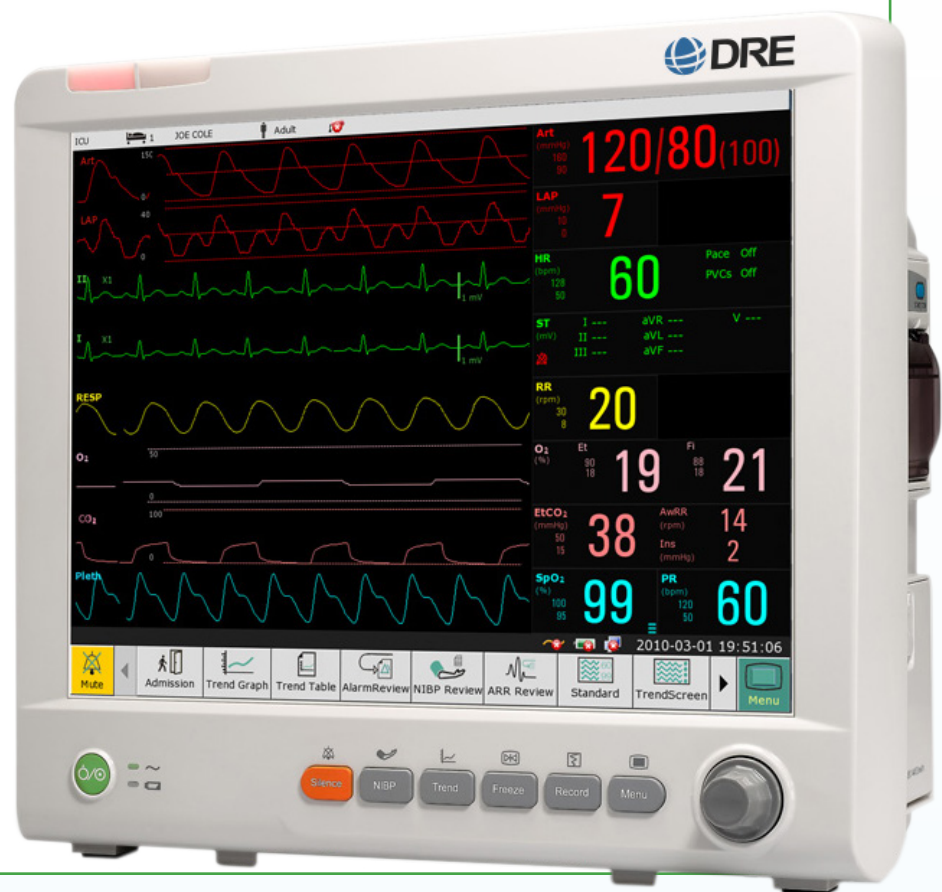


The DRE Waveline Pro Plus is designed to match the needs for critical care, post anesthesia care and operation room and features an advanced monitoring system with built - in clinical interfaces to provide all-in-one monitoring solutions.

**Features:**

- 15" high resolution color TFT display with maximum 13 waveforms
- Full touch-screen enables intuitive operation by clicking on the specific parameters or the waveform in real time, standard configuration includes the navigation knob
- Pacemaker detection, electrosurgical interference proof
- Defibrillation protection and defibrillation synchronization
- SD card slot enables memory extension for large data storage
- USB and serial ports enables abundant future upgrades
- VGA output and Analog output
- OxyCRG available to judge the respiration and circulation function for neonates
- Large font display
- Arrhythmia and S-T segment analysis
- Built-in rechargeable Li-ion (up to 6 hours)
- Nurse Call function and bi-directional communication with MFM-CMS central station



# DRE Waveline Pro Plus

## Patient Monitor

Equipment for the way *you* operate

### Physical Specifications

Device Dimensions:	370 mm (L) x 175 mm (W) x 320 mm (H)
Weight:	Standard Configuration 7 kg (with battery)
Display	
Color TFT a:	15" (Touch Screen Optional)
Resolution:	1024x768
Traces Displayed:	Up to 8
Sweep Speed:	6.25, 12.5, 25, 50 mm/s
ECG	
Lead Type:	5-lead and 3-lead selectable
Gain:	Auto, x 0.125 x 0.25 x 0.5 x 1 x 2
Sweep Speed:	6.25, 12.5, 25, 50 mm/s
ECG HR Range:	
Adult:	15-300 bpm
Pediatric/Neonate:	15-350 bpm
Resolution:	1 bpm
Accuracy:	±bpm or ±1% (whichever is greater)
Filter:	
	Diagnostic Mode: 0.05-150Hz
	Monitoring Mode: 0.5-40Hz
	Surgical Mode: 1-20Hz
ST-Segment Detection:	
	Measurement Range: -2.0mV-2.0mV
	Alarm Range: -2.0mV-2.0mV

### RESP

Method:	Trans-thoracic impedance
Operation Mode:	Auto/Manual
RR Measurement Range:	
	Adult: 0-120rpm
	Neonate/Pediatric: 0-150 rpm
Resolution:	1 rpm
Apnea Alarm Threshold:	10, 15, 20, 25, 30, 35, 40 s
Band Width:	0.2-2.5 Hz (-3 dB)
Sweep Speed:	6.25, 12.5, 50 mm/s

### SPO2

Measurement & Alarm Range:	0-100% (SPO2)
Resolution:	1%
Accuracy:	±2% (70-100%, Adult/Pediatric)
	±3% (70-100%, Neonate)
PR Measurement and Alarm Range:	
	20-300 bpm
Resolution:	1 bpm
Accuracy:	±2 bpm
Refresh Rate:	1 s

### NIBP

Method:	Automatic Oscillometric
Operation Modes:	Manual/Automatic/Continuous
Auto Measurement Time Interval:	1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 240, 480 minutes
Measurement Unit:	mmHg/kPa
Measurement Types:	Systolic, Diastolic, Mean
Pressure Range:	
Adults:	
	Systolic: 40-270 mmHg
	Diastolic: 10-215 mmHg
	Mean: 20-235 mmHg
Pediatrics:	
	Systolic: 40-200 mmHg
	Diastolic: 10-150 mmHg
	Mean: 20-165 mmHg
Neonates:	
Systolic:	40-135 mmHg
	Diastolic: 10-100 mmHg
	Mean: 20-110 mmHg
Resolution:	1 mmHg
Accuracy:	
	Max Mean Error: ±5 mmHg
Max Standard Deviation:	8 mmHg
PR from NIBP Measurement Range:	40-240 bpm
Resolution:	1 bpm
SP10:	2002
<b>Philips Respironics CO2 (Optional)</b>	
Type:	Sidestream/Mainstream
Range:	0-150 mmHg
Accuracy:	±2 mmHg, 0-40 mmHg
	±5%, 41-70 mmHg
	±8%, 71-100 mmHg
	±10%, 101-150 mmHg
AwRR Accuracy:	±1 rpm
PHASEIN Anesthetic Gas/O2 (Optional)	
Technology:	Infrared absorption characteristic
Paramagnetic Oxygen:	Optional
Gas:	CO2, O2, N2O, Des, Isc, Enf, Hal, Sev
Warm-up Time:	
	(IRMA AX+) Iso accuracy mode: 45s
	Full accuracy mode: 60s
	(ISA OR+/AX+) <20s
	Sample Flow Rate (for ISA OR=/AX=) 50 ± 10 ml/min