

V3404 Plus ECG/Pulse Oximeter with SAC™ Technology



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- 3 or 5 lead ECG
- Bright dual trace on a electroluminescent display
- Expanded heart rates for animal use
- Variety of sensors for animal applications
- Optional graphics printer provides high resolution graphic printing
- Advanced Digital SAC™ oximetry for unparalleled oximetry accuracy

Specifications

Display:	
Type	Electroluminescent, 160 x 80 pixels
Waveforms	ECG, Plethysmogram
Graphic Trends	SpO ₂ Pulse Rate (Heart Rate) and Pulse Signal Strength, Optional Respiration
SpO ₂ & Pulse Rate	3-digit (LED display), 14.2 mm (0.56 in) high 3-digit (LED display), 10.9 mm (0.43 in) high
SpO ₂	
Range	50 to 100%
Accuracy	±2% at 70 to 100% ±3% at 50 to 69%
Alarm Range	High: 50 to 100% and Off (1% steps)
Averaging	4, 8, 16 pulse beat average (fast, normal, slow)
Pulse Rate (SpO ₂) or Heart Rate (ECG):	
Range	20 to 350 bpm
Accuracy	±2 bpm or ±2% whichever is greater
Alarm Range	High: 20 to 350 bpm and Off (1 bpm steps)
Averaging	8 or 16 sec average (normal, slow)
ECG:	
Configuration	3- or 5-lead
Lead Selection	I, II, III, aVR, aVL, aVF and V
Gain	x1, x2, x4, x8
Printer Output:	
Serial	RS-232C serial data output
Safety Approvals	EN60601-1, EN60601-1-1, UL 544, CSA Std. C22.2, No. 125-1984, EN60601-1-2, ISO 9001 Certified
Trends	17 hrs at 30 sec intervals
Battery Life	Standard Lead-Acid Battery. Internal rechargeable; not user replaceable. Approximately 1.5 hrs continuous use. Fully charges in 6 hrs
Dimensions, H x W x D	88.9 x 139.7 x 254 mm (3.5 x 10.0 x 5.5 in)
Weight	2.27 kg (5 lbs)

The V3404 Plus incorporates a selectable ECG lead system and the advanced digital hardware (serial auto correlation)/SAC™ software oximetry, all in one unit. Basic and easy to use, this transportable monitor offers a practical low cost solution for combined ECG and Oximetry.

The V3404 Plus offers the same advanced pulse oximetry features as the V3304, see page F68, and offers the added convenience of integrated 3 or 5 position ECG. The advanced graphic electroluminescent display presents the oximetry data as a plethysmogram and any one of the ECG leads (I, II, III, aVR, aVL, aVF or V).

Three user-selectable averaging modes are available, along with numeric and audible indicators for SpO₂ and pulse rate, a bar indicator for pulse strength as well as high and low limit adjustable alarms for SpO₂ and pulse rate. Low priority alarms warn the user of system setup malfunctions such as a disconnected probe. The audible indicators and alarms vary in rate and pitch to indicate changes in pulse rate and SpO₂ level.

All waveforms can be output using the optional PY2 72-3204 graphics printer. The optional power jumper PY2 72-3206, is not included but is recommended.

The V3304 Pulse Oximeter comes with an instruction manual, AC adapter/charger, PY2 72-3157 5 foot Oximeter Extension cable, PY2 72-3256 Universal "Y" sensor, PY2 72-3254 Reflectance sensor, PY2 72-6028 ECG Lead 40" ECG Cable, PY2 72-6029 3-Lead Cable for 3-lead set and the PY2 72-3199 ECG 3-lead set. The unit is powered by an internal rechargeable lead acid battery. Other pulse oximeter probes and accessories are available, see below.

Order #	Product
PY2 72-6018	V3404 Plus Digital Pulse Oximeter/ECG, 110 VAC, 60 Hz
PY2 72-6019	V3404 Plus Digital Pulse Oximeter/ECG, 220 VAC, 50 Hz
ECG Leads, Sensors and Sensor Accessories*	
PY2 72-3256	Universal Y Sensor
PY2 72-3254	Reflectance Sensor
PY2 72-6028	ECG 3-Lead, 40"
PY2 72-6080	ECG Cable, 3-Lead
PY2 72-3268	ECG Cable for 5-Lead Set
PY2 72-6011	Temperature Cable
PY2 72-6012	Temperature Probe
PY2 72-6013	Temperature Sensor
Optional Accessories*	
PY2 72-3204	V3408 Graphics Printer and Cable
PY2 72-3200	AC Adapter/Charger 110 VAC, 60 Hz
PY2 72-3202	AC Adapter/Charger 208 to 0252 VAC, 50 Hz
PY2 72-3205	Printer Paper, pkg. of 4
PY2 72-3179	Serial Printer Interface Cable
PY2 72-3180	PC Interface Cable
PY2 72-3175	IV Pole Bracket
PY2 72-3206	Power Jumper Cable from V3408 to printer
PY2 72-3197	Printer Interface Cable

