



The **Datascope Spectrum** is a patient Monitor s that includes features that are specific for operating rooms. These parameters in crude; spirometry, BISx consciousness monitoring, MAC Sedation monitoring, and SpO2. On top of offers, theses features the Datascope Spectrum also offers the standard monitoring features, ECG, non-invasive blood pressure, SpO2, and temperature. The Monitor can show 8 different waveforms at once on the color display screen.

Features

- BIS Consciousness monitoring
- Auto -adjustable display for optimal visibility
- 8 configurable waveforms
- Includes Pre-anesthesia monitoring features:
 - 3 or 5 lead ECG
 - Non-invasive blood pressure
 - Comes with either a Nelcor or Masimo SpO2 monitoring system



Specifications

Dimensions

Height with Module: 10.7 in (27.2 cm)
WidthWith Module: 11.9 in (30.2 cm)
Depth with module: 7.5 in (18.8 cm)
Weight with modules: 1.75 lbs (0.8kg)
Weight with battery: 13.52 lbs (6.1kg)

Display

Size: 12.1-inch (30.7cm) Color Active Matrix TFT LCD
Resolution: 800 x 600 pixels
Waveforms: 3 to 8

ECG

Leads: I, II, III, aVR, aVL, aVF, V
Cable Detection: Autodetecting Datascope 3 or 5 wire
Display Sensitivity: 0.25, 0.5, 1.0, 2.0, 3.0, 4.0, cm/mV \pm 10%
Frequency Response To Screen
Extended Mode: 0.05 – 100 Hz, -3db
Monitor Mode: 0.5 – 40 Hz, -3db
ST Mode: 0.05 – 40 Hz, -3db
ECG Sync Pulse for Cardioversion:
Delay: \leq 35 ms max between QRS Peak and rising edge of Sync Pulse
Amplitude: 2Vp minimum into a 5k ohm load
Width: 2-7 ms
Analog Output: (ECG)
Delay: 25 ms max
Sensitivity: 1 V/mV of input, \pm 10%
Defibrillator Overload Protection:
Withstand 360 Joule discharge as per IEC 60601-2-27, 51.101.1
Recovery Time: Time for recovery to within 1mV in < 8 seconds automatically.
3 seconds from 1Vpp at 60 Hz

IBP

Range: Sys/Dia/Mean -30 to +300 mmHg
Accuracy: \pm 2 mmHg or 2% whichever is greater
Scale: -10 to 10, 0-20, 0-40, 0-160, 0-225, 0-320, 60-140 mmHg
Zero Range: \pm 120 mmHg
Excitation: 5V DC \pm 2%
Frequency Response: DC to 16 Hz \pm 1Hz, -3db

Temperature

Scale: Selectable C° or F°
Range: 15° to 45°C / 59° to 113°F (T1 and T2) 0°C to 5.5°C / 0°F to 9.9°F (Delta T)
Accuracy: \pm 0.1°C (15°C to 45°C) exclusive of probe errors. \pm 0.2°F (59°F to 113°F) exclusive of probe errors.