



The **Datascope Spectrum OR** is a patient monitor that can be used in an operating room setting. The Spectrum offers readings for additional measurements like ECG, SpO2, NIBP, Spirometry, temperature, and BISx. The Datascope system is based on the same platform as the Passport 2, offering either a Masimo or Nellcor SpO2 within the system. The system is easy-to-use with a 12-inch screen display monitor, quick-access menus, and one-touch functionality.

Features

- 12-inch high-contrast color display
- Auto-adjustable display for optimal visibility
- 3-8 waveform configurations
- BIS Consciousness monitoring
- Includes Pre-anesthesia monitoring features:
 - 3 or 5 lead ECG
 - Non-invasive blood pressure
 - Comes with either a Nellcor 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.