



The Expression MR200 MRI Patient Monitoring System is designed to assist clinicians in monitoring patient vital signs in the dynamic magnetic resonance environment. The Expression MR200 combines wireless communication, radio frequency shielding and digital signal processing to address the challenges associated with patient monitoring in the MR environment.

The Expression MR200 consists of these primary components:

- Traditional Roll-Around Cart
- Wireless ECG (wECG) module
- Wireless SpO2 (wSpO2) module

Features

- Integral color LCD display for patient information
- Intuitive graphical user interface
- Colored waves and large numerics
- Portable 8-hour battery
- Simultaneous display of up to five parameters, and four waveforms and associated values
- Visual and audible alarm signals, pulse tones, and system status messages
- Gating, both digital pulse and analog waveform
- Expression Information Portal (IP5), (optional)
- Wireless remote printing to IP5 (optional)
- Wireless gating (with Invivo wireless-equipped MRI systems)



Specifications

Height	<p>Cart: 54.22 inches (137.71 cm)</p> <p>Wireless ECG module: 4.7 inches (11.9 cm)</p> <p>Wireless SpO2 module: 5.5 inches (13.9 cm)</p>
Width	<p>Cart: 22.15 inches (56.26 cm)</p> <p>Wireless ECG module: 2.5 inches (6.4 cm)</p> <p>Wireless SpO2 module: 2.5 inches (6.4 cm)</p>
Depth	<p>Cart: 25.25 inches (64.14 cm)</p> <p>Wireless ECG module: 0.91 inches (2.3 cm)</p> <p>Wireless SpO2 module: 0.91 inches (2.3 cm)</p>
Weight	<p>Cart: 74.06 pounds (33.59 kg)</p> <p>Wireless ECG module: 5.4 ounces (158.8 g)</p> <p>Wireless SpO2 module: 5.4 ounces (158.8 g)</p>
Power Requirements	<p>Operating voltage range: 100 – 240 VAC</p> <p>Frequency range: 47 – 63 Hz</p> <p>Current: 1.5 A @ 115 VAC / 0.7 A @ 240 VAC</p> <p>Power consumption, maximum: ≤ 65 Watts</p>
Battery Type	<p>Cart: Lithium-Ion</p> <p>Module: Lithium polymer</p>
Battery Operation Time	8 hours
Battery Capacity	<p>Cart: 75 Wh</p> <p>Module: 3.1 Wh</p>
Environmental	<p>Operating temperature range: 10 – 35°C (50 –95°F)</p> <p>Relative humidity range: 15 – 80 percent, noncondensing</p> <p>Storage and transport temperature range:</p> <ul style="list-style-type: none"> - Batteries: 0 – 40°C (32 – 104°F) - Cart: -20 – 50°C (-4 – 122°F) - Wireless modules: -25 – 75°C (-13 – 167°F) - Accessories: -20 – 60°C (-4 – 140°F) <p>Altitude range: From sea level up to 10,000 feet (3048 m) or 708 mbar</p> <p>Storage and transport pressure range: 708 –1020 mbar</p>
Display	12.1" (30.7 cm) Integral color LCD
MR Compatibility	<p>1,500 Gauss</p> <p>4 W/kg SAR</p> <p>3T</p>