



The **Philips Invivo Expression MRI** is a patient monitor that was designed to resist the demands of environments that require strong magnetic fields. The Expression MRI was designed as a patient monitor that can be used in an MRI setting. It operates at 5,000 gauss field lines and 4 W/Kg SAR, without compromising the patient's safety. The Patient Monitor does not interfere with the images and operation of the MRI. With a low magnetic signature, the patient monitor can be used with most MRI scanners, including 3.0T systems.

The Invivo Expression MRI patient monitor comes with wireless connectivity to monitor ECG, SpO2, and respiration. This allows continuous tracking of the patient's vital signs without extensive wires or routers.

## Features

- Faster patient induction with quadrode ECG electrodes that allow quick placement on the patient, while ensuring maximum ECGPerformance.
- Wireless ECG, SpO2, and respiratory connections.
- Uninterrupted monitoring during patient exams.
- Remote monitoring during recovery.
- Can be mounted on a portable cart or anesthesia machine.
- Designed specifically for ultra-high magnetic field environments.



# Specifications

## Dimensions DCU

Height: 11.5 in (29.2 cm) with antenna: 15.5 in (39.4cm)

Width: 15.4 in (39.1cm)

Depth: 5.5 in (39.1 cm)

Weight: 17 lbs (7.7kg)

## Dimensions PMC

Height: Vertcally 15.3 in (38.9 cm) Horizontally: 8.5 in (21.6 cm)

With: 15.7 in (39.9 cm)

Depth: Vertically: 8.3 in (21.1 cm) Horizontally: 15.1 in 38.4 cm)

Weight: 31 lbs (14.0kg)

## Dimensions of Cart

Height: 42.3 in (107.4 CM)

Width: 18.7 in (47.5 cm)

Depth: 19.5 in (49.5 cm)

Weight: 8lbs (36.3 kg)

## Display Control Unit

Type: LCD, Color, 80 x 600 pixels

Screen size: 12 in (30.5 cm) diagonal

Sweep Speed: 25 or 50 mm/S gives 9.2 S or 4.6 S of display, respectively. For respiration, a speed of 0.33, 1.56, 3.13, 6.25, 12.5 or 25 mm/S is used

Waveform Display Mode: fixed trace, moving erase bar

Waveform Display Height:  $\geq 19$  mm

“Full-screen” Display Height:  $\geq 75$  mm

## Envirometal

Operating Temperature: 15°C to 35°C (59°F to 95°F)

Batteries (REF 989803169491): 0°C to 40°C (32°F to 104°F)

Anesthetic Oxygen (O2) Sensor (REF 989803162051): -40°C to 35°C (-40°F to 95°F)

Cart, PMC, DCU, wireless modules, and accessories (except the Temperature sensor): -20°C to 60°C (-4°F to 140°F)

Temperature sensor: -25°C (-13°F) to 70°C (158°F)

Relative Humidity: 15% to 80%, non-condensing

Transport Temperature

Cart, PMC, DCU, wireless modules, and accessories (except Temperature): -20 to 60°C (-4 to 140°F)

Temperature sensor: -25°C (-13°F) to 70°C (158°F)

## POwer Requirpments

Operating Voltage Range: 100 VAC to 240 VAC

Frequency: 50/60 Hz

Current: 1.5 A

Power Consumption, Maximum: <100 Watts

DC Output Voltage, Nominal: 18.3 VDC

