MRidium® 3860+

The World's Leader in MRI IV Infusion Systems

The MRidium® 3860+ MRI IV Infusion System meets the demanding clinical needs of today's patient's, by allowing the continuous delivery of fluids and medication within the MRI Suite.

Safely, Accurately and Reliably preserve the ***'Continuity of Care'*** for patients requiring continuous or intermittent infusions throughout their MRI care cycle.

IRADIMED®

MRidium® 3860+ MRI IV INFUSION SYSTEM

Designed for Today's MRI Environment

The MRidium® 3860+ and its ability to infuse medications in the MRI room extends the same quality of bedside care experienced in other areas of the hospital right into the MRI suite.

The MRidium® 3860+ helps replace 'work around' solutions like running long lines from conventional pumps through a sealed MRI door or wave guide. The 'work around' practice of placing long lines from outside the MRI control room may lead to questionable flow rates and alarm delays due to line occlusions, increased infection rates and costly medication waste.

Quality You Can Trust

IRadimed is a leader in MRI patient care with vast experience in MRI products. Our founder is the pioneering developer of the world's first and best selling MRI compatible patient vital signs monitoring system.

Features

- Intuitive Smart IV Pump technology reduces input errors
- Placement up to the 10,000 Gauss Line on a 3T Scanner
- DERS Dose Error Reduction System with custom drug library reduces medication errors
- Optional MasimoSET® SpO_2 patient monitoring
- Infusion Range of 0.1 to 1400 mL/hr
- Easily expandable to a second channel with add-on 3861 Sidecar module
- Long life battery provides >12 hours of operation at 125 mL/hr
- Delivery via Syringe, Bag or Bottle

MRidium® 3865 Wireless Remote Control

Titrating medications is now easily done from within the control room with the MRidium® 3865 Wireless Remote Display. The Wireless Remote eliminates the delays caused by stopping a crucial scan just to review, titrate or deliver a bolus. The MRidium® 3865 is a valuable tool to help decrease the amount of time a patient spends in the MR scanner which may lead to improved throughput and care.

…Titrate on the fly!

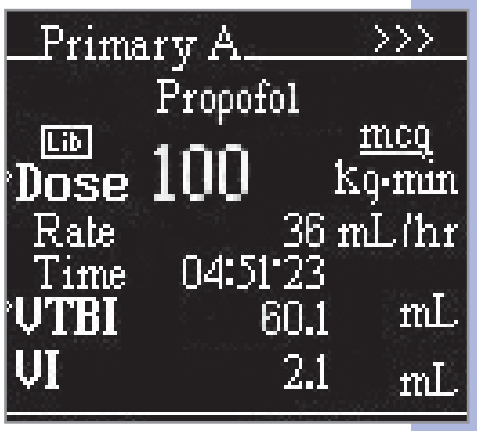
DERS 'Dose Error Reduction System'

The MRidium® 3860+ ***'Dose Error Reduction System'*** provides a comprehensive safety solution at the patients 'point of care'.

Designed to reduce infusion errors, the DERS custom drug library enhances the quality of patient care, maintains compliance with National Safety Standards and provides potential cost savings.

Clinically approved and validated by your pharmacy, the DERS custom drug library with its pre-programmed hard and soft 'SafeGuards' helps prevent infusion errors by defining clinically acceptable dosing ranges.

…Taking the 'guess work' out of Critical Dosing.



MRidium® 3861 Sidecar Channel

The 3861 Sidecar Channel is the ideal option to help critical patients get their needed MRI procedure. The MRidium® 3860+ with the additional 3861 Sidecar Channel offers a unique and effective way to deliver multiple IV fluids, safely and accurately, next to the MRI system.

…Critical patients? No Problem!

MasimoSET®

MasimoSET® SpO_2 Monitoring

The MRI patient workflow just got a little more efficient with the MasimoSET® SpO_2 monitoring option. Having the SpO_2 option for a second point of reference helps ensure that complex MRI cases with unforeseen difficulties can be completed. The MasimoSET® SpO_2 option also enhances the patient workflow by providing continuous monitoring while the patient is transported throughout the entire MRI care cycle.

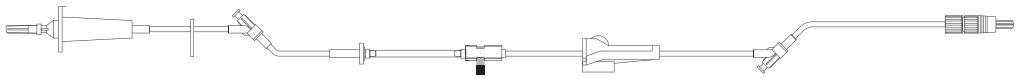
…One less thing to worry about!

IRADIMED®

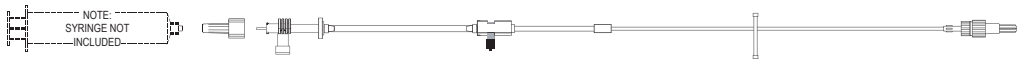
MRidium® 3860+ MRI IV INFUSION SYSTEM

Disposable IV Infusion Sets .... To Order Call 866.677.8022

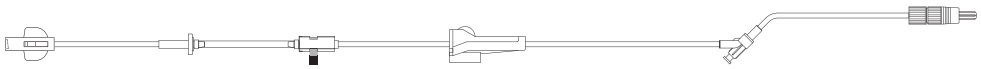
Spike Infusion Set, Part Number 1056
Latex Free Infusion Set with Spike and two needle free injection ports



Vented Syringe Set, Part Number 1057
Latex Free Vented Syringe Set, Microbore 4mL Prime Volume



Extension Set, Part Number 1058
Latex Free Extension Set with one needle free injection port



We're on the web!
www.iradimed.com

Specifications

VOLUMETRIC INFUSION PUMP / MONITOR

ELECTRICAL CHARACTERISTICS

HI/LO Line Voltage Requirements	100 to 240 VAC +/-10%, 50/60 Hz
Power Sources Available	Internal battery power with separate AC charger/power supply
Power Consumption	< 18 Volt-Amperes @ 120 VAC nominal at 125 mL/hr (<100 VA maximum during charging)
Battery Type	Rechargeable Lithium Polymer Pack, 14.8 v at 5.8 Ah
Battery Capacity	> 12 Hours at ≤ 125 mL/hr Rate
Battery Charge Time	< 9 hours to 95% capacity
Battery Cycle Life	> 200 charge/discharge cycles
Leakage Current	< 20 µA RMS (Patient), < 300 µA RMS (Chassis)
Impedance, Chassis to Earth Ground	< 0.1 ohms (with power supply)

MECHANICAL CHARACTERISTICS

Dimensions D x W x H, Total Weight	6 x 8 x 9.5 inches (15.25 x 20.3 x 24.1 cm), 11.5 lbs. (5.2 Kg) with battery
Temperature Range	+10° to +44° C (Operating), -40° to +70° C
Relative Humidity Range	0% to 80% RH, non-condensing
Pole Clamp Mounting (Diameter) Range	1.0 to 1.5 inch (25 to 38 mm) diameter

PERFORMANCE CHARACTERISTICS INFUSION PUMP PERFORMANCE

Flow Rate Range	0.1 to 1400 mL/hr 0.1 to 99.9 mL/hr in 0.1 mL/hr increments, 100 to 1400 mL/hr in 1 mL increments
Flow Rate Display Range	0.1 to 99.9, 100 to 1400 mL/hr
Flow Rate Accuracy	+/-10% (0.1 to 0.9 mL/Hr), +/-5% (1 to 1400 mL/Hr)
Volume To Be Infused (VTBI) Range	0.1 to 999 mL
Total Volume Infused (VI) Range	0.1 to 9,999 mL in 0.1 mL increments
Keep Vein Open (KVO) Rate Range	Adjustable, 1 to 5 mL/hr, or Set Rate, whichever is less
Downstream (proximal) Occlusion	1 to 10 psi, user-adjustable, +/- 10% Detection Range
Occlusion Detection (no flow) Time	Typically < 30 sec, dependent on selected Flow Rate

PERFORMANCE CHARACTERISTICS INFUSION PUMP PERFORMANCE

Inlet Pressure Detector	Detects inlet side occlusions
Air-in-Line Detection Method	Ultrasonic bubble detector, > 100 µL
MRI Performance	
MRI Magnet Compatibility	0.2 to 3.0 Tesla MRI Systems
Magnetic Field Limit	10,000 Gauss line (1T magnetic field line) – Minimal ferrous material used inside Pump (<15 grams); non-magnetic motor used inside Pump
Compliance with Standards	IEC 60601-1-1, IEC 60601-1-2, IEC 60601-2-24, ISO 9919, AAMI ID 26, UL60601

PERFORMANCE CHARACTERISTICS PULSE OXIMETER

Sensor Type	Fiberoptic MRI SpO2 sensor with no RF conductive components
Sensor Length	90 inches (2.3 m)
Accuracy	70 – 99 % SpO2 +/- 3 digits Adult/Pediatric/Infant, Heart Rate +/- 3 BPM (no motion)
Display Ranges	Pulse Oximeter: 70 - 99 % SpO2, Heart Rate: 40-240 BPM

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RoHS COMPLIANT

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