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LogiCal® Pressure Transducers

The accurate, reliable, and economic pressure transducer



LOGICAL[®] PRESSURE TRANSDUCERS

ENVIRONMENTALLY FRIENDLY

Reusable Electronic Components

Unlike standard disposable transducers, the LogiCal[®] pressure transducers mounting plate incorporates the electronic pressure sensor. Only the disposable cartridge is replaced with each new patient.

LogiCal[®] pressure transducers mounting plates stand up to repeated use, surviving the rigors of transport and the demands of the OR and ICU.

EASY TO USE

The LogiCal[®] pressure transducers have been recognized by clinicians and hospitals worldwide for their innovative design and easy-to-use features.

- Pressure cartridge with integrated flush system
- Guide rail system for proper cartridge connection
- Quick release system for rapid disconnection
- One-touch quality assurance check of the transducer and cable functionality

EASY TO USE EASY HANDLING ENVIRONMENTALLY FRIENDLY

EASY HANDLING

Modular Mounting System

The LogiCal[®] pressure transducers set up quickly and easily. A mounting bracket able to hold two, three or four LogiCal[®] transducers and mounting plates is maintained at each point along the care continuum. When a patient moves from one care area to another, simply disconnect the disposable sets and transfer them to the mounting plates in the next location.

- LogiCal[®] transducers, mounting brackets and plates remain in place and can stay attached to monitors, ready for the next use.
- LogiCal[®] transducers and mounting plates have smooth plastic surface, making them easy to clean and maintain.

Cable Management System

We offer a breadth of accessories and cables to accommodate all setups. The cable design will reduce clutter in your work space and save time in setup.

- Numerically coded cable ends facilitate correct connection.
- Cable connectors and non-corroding gold plated pins are designed to be long-lasting and to provide reliable performance.

A Solution for Everyone

The LogiCal[®] pressure transducers can be used on your patients, from neonates to adults. An extensive range of options to accommodate your needs (Refer to last page).





Guide rails
One touch check
Quick release

Technical Data

Sensitivity - $\mu\text{V}/\text{mmHg}$	5.0 nominal
Balance, Unbalance - mmHg	0 ± 50
Zero Drift - mmHg	< 2 in 4-hrs. after 5-min. warm-up
Excitation Voltage Range - Volts	4–8 (DC to 5 kHz)
Phase Shift	< 5°
Excitation Impedance - Ohms	630 nominal
Single Impedance - Ohms	$300 \pm 10\%$
Calibration Requirement - mmHg	100 ± 3
Accuracy - mmHg	meets or exceeds AAMI specs.
Compensated Temperature Range - $^\circ\text{C}$	15 to 40
Storage Temperature Range - $^\circ\text{C}$	- 25 to 70

Technical Data

Temperature Coefficient of Sensitivity - $\%/^\circ\text{C}$	$0 \pm 0.1\%$
Temperature Coefficient of Offset - mmHg/ $^\circ\text{C}$	0 ± 0.3 nominal
Operating Pressure - mmHg	- 30 to - 300
Overpressure, Pressure Range, Overrange Capability - mmHg	- 400 to 4000
15% Transducer Bandwidth - Hz	> 200
Symmetry	$1 \pm 5\%$
Defibrillator Withstand	5 in 5-min. at 360J
Risk Current of 115 VAC at 60 Hz - μA	< 5
Light Sensitivity - mmHg	1 shift
Mechanical Shock Withstand	3 falls from 1 m
Monitor Compatibility	all monitors

ORDERING INFORMATION

Standard Kits												
Tubing Length	Single Line				Double Line				Triple Line			
	12"	60"	72"	84"	12"	60"	72"	84"	12"	60"	72"	84"
Arm	MX9601A	MX9604A	-	MX9605A	-	-	-	-	-	-	-	-
Pole	MX9601A	MX9604A	-	MX9605A	-	-	-	MX9602A	-	-	MX9606A	-

Neonatal Kits	
MX9630A	12" Neonatal monitoring kit
MX9644	31" Neonatal monitoring kit with Kids Kit™ closed blood sampling
MX9645	34" Neonatal monitoring kit with Kids Kit™ closed blood sampling
MX9647	7" Neonatal monitoring kit with Kids Kit™ closed blood sampling
MX9648	10" Neonatal monitoring kit with Kids Kit™ closed blood sampling

Accessory Components	
MX960	Reusable transducer mounting plate
MX261	IV pole clamp
MX262	Bracket for 2 transducer mounting plates
MX263	Bracket for 3 transducer mounting plates
MX264P1	Bracket for 4 transducer mounting plates
MX260PM	Patient mount for 1 transducer mounting plate

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