

TDx 2.0 Pulmonary Resuscitation Monitor

Spiracle Technology's TDx 2.0 Pulmonary Resuscitation Monitor is portable, simple to operate and accurate. Its light weight is achieved through the use of an Electronic Pressure Transducer. The monitor measures and displays airway pressure during emergency manual ventilation with bag/valve/mask resuscitators, oxygen powered devices and automatic transport ventilators not equipped with a pressure gauge. The device may also be used to measure pressures -10 to 135 cm H₂O, in place of an analog pressure gauge. The monitor offers pre-hospital emergency care providers and respiratory care practitioners a new and innovative way to monitor peak inspiratory pressure (PIP), positive end expiratory pressure (PEEP), and I:E ratio. The monitor shows the operator displays of:

- Peak Inspiratory Pressure (PIP)
- Resuscitation Rate (freq.)
- Inspiratory to Expiratory Ratio (I:E)
- PIP Bar Graph (-10 to 100cm H₂O)
- Positive End Expiratory Pressure (PEEP)

To ensure portability and easy availability of replacement batteries, the unit operates on 1 AAA alkaline battery. The internal pressure sensor is temperature and altitude compensated. A metronome is built in to assist the operator during Cardio Pulmonary Resuscitation. The metronome will sound at 80 or 100 beeps per minute and each sixth tone is distinguished to provide the operator with a breath delivery cadence. To ensure ease of reading in darkness, the display is backlit in bright blue.

10 Good Reasons To Use Spiracle Technology TDx 2.0 Pulmonary Resuscitation Monitor

Affordably Priced – The TDx 2.0 is priced under most capital budgets making it easy to specify and purchase.

Monitor Airway Pressure – Pressure applied to the airway is displayed in real time with an analog bar graph against a calibrated scale from -10 to 100 cm H₂O.

Capture Peak Inspiratory Pressure (PIP) – The peak inspiratory pressure is displayed in whole numbers on each breath from 0 to 135 cm H₂O.

Monitor Ventilation Rate (freq.) – The TDx 2.0 displays accurate mechanical breath rates and an audible metronome assists in synchronizing ventilation with cardiac compression.

I:E Ratio Display – Have confidence you are providing adequate inhalation and expiration time by monitoring the I:E ratio.

Validate PEEP Settings – Monitoring the Positive End Expiratory Pressure (PEEP) value verifies the PEEP device on your resuscitator is operating and is accurate.

Improved Mask Ventilation – Use the monitor to measure mask leaks. Ensure ventilation pressure to the unprotected airway stays below the esophageal opening pressure to minimize gastric insufflation.

Altitude and Temperature Compensated – A solid state, absolute pressure sensor and internal thermistor automatically provide correct and accurate readings.

Compact, Lightweight and Versatile – The 10 ounce (75gram) monitor is small enough to attach on your wrist, your ventilation device, the patient or the wall of an incubator. And it can be used with bag mask resuscitators, demand valves and automatic transport ventilators that may not be equipped with a pressure gauge.

Added Features – The TDx 2.0 monitor operates on a single "AAA" alkaline battery. A low battery icon appears on the display and will automatically power off the monitor if it does not sense pressure activity after (90) seconds.

How To Specify And Order Spiracle Technology TDx 2.0

Part No. 602

TDx 2.0 Pulmonary Resuscitation Monitor in a plastic shield protector. Includes one (1) airway pressure sensing circuit, one (1) AAA alkaline battery, operating instructions.

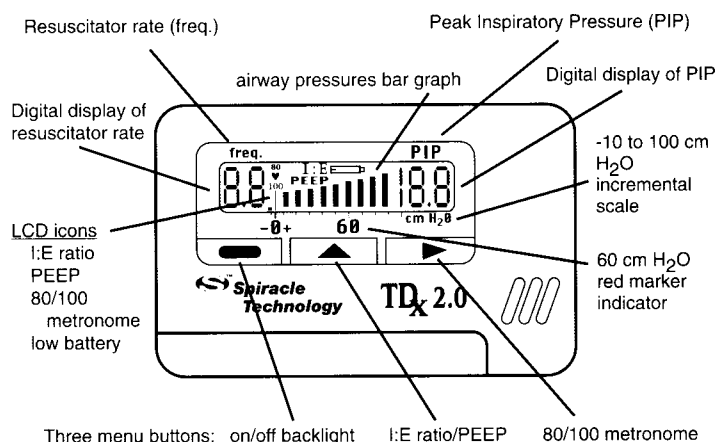
1502004	6' Airway Pressure Sensing Circuits 10/pack
1502005	3' Airway Pressure Sensing Circuits 10/ pack
1744006	Custom Black Carrying Case
1730001	Silicone Protective Bumper
1788002	Operating Instruction Manual
1750021	Wrist Strap
1733018	Bracket Housing for Hard Surface Mounting
1644005	Plastic Shield Protector
1722013-10	Infant ET Tube Adapter (2.5mm)
1722014-10	Infant ET Tube Adapter (3.0 mm)
1722015-10	Infant ET Tube Adapter (3.5mm)

SPECIFICATIONS

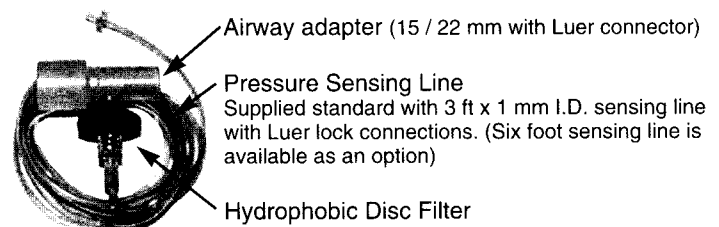
Peak Inspiratory Pressure (PIP)	-10 to 135 cm H ₂ O	displayed in whole numbers
Resuscitator Rate (freq.)	2-99 breaths per minute	displayed in whole numbers
Positive End Expiratory	0 to 135cm H ₂ O	displayed in whole numbers
Inspiratory to Expiratory Ratio (I:E)	99:1 and 1:99	displayed in whole numbers
Display Pressure Accuracy	±5% of full scale	Temp. & Altitude compensated
Metronome	80 and 100 beeps/minute	minimum 60 dB@10cm
Power	(1) AAA, 1.5 volt battery	Alkaline
Battery life w/o backlight	96 hours	continue use
Battery life w/ backlight display	8 hours	continuous use
Automatic Power off	Absence of ±5cm H ₂ O	@ approximately 90 seconds
Low Battery Indicator Icon	Appears at approx. 1.1 volt	Replace battery
Low Resuscitation Rate	"00" flashing display	@< Two (2) per minute
Airway Adapter	15/22mm I.D./O.D.	Luer lock sensing port
Pressure Sensing Line	1mm I.D.	PVC tubing w/ Luer connector
Disc Filter	5.0u	Hydrophobic Disc
Operating Temperature	-18° C to 60° C	0° F to 140° F
Storage Temperature	-40° C to 60° C	-42° F to 140° F
Humidity (Operating)	37° C (98.6° F)	@30%-100% RH
Humidity (Storage)	-40° C to 60° C	@ 10%-100% RH

CAUTION: Federal law restricts this device to sale by or on the order of a physician.

TDx 2.0 Pulmonary Resuscitation Monitor Case and Display Graphics



TDx 2.0 Pulmonary Resuscitation Monitor Pressure sensing circuit



NOTE: The pressure sensing circuit, filter, line, and adapter are disposable, not for single patient reuse.

Spiracle Technology
A FERRO Group Company

16520 Harbor Blvd., Suite D
Fountain Valley, CA 92708-1360
Phone: (714) 418-1091 • FAX: (714) 418-1095
e-mail: info@spiracle.com • www.spiracle.com