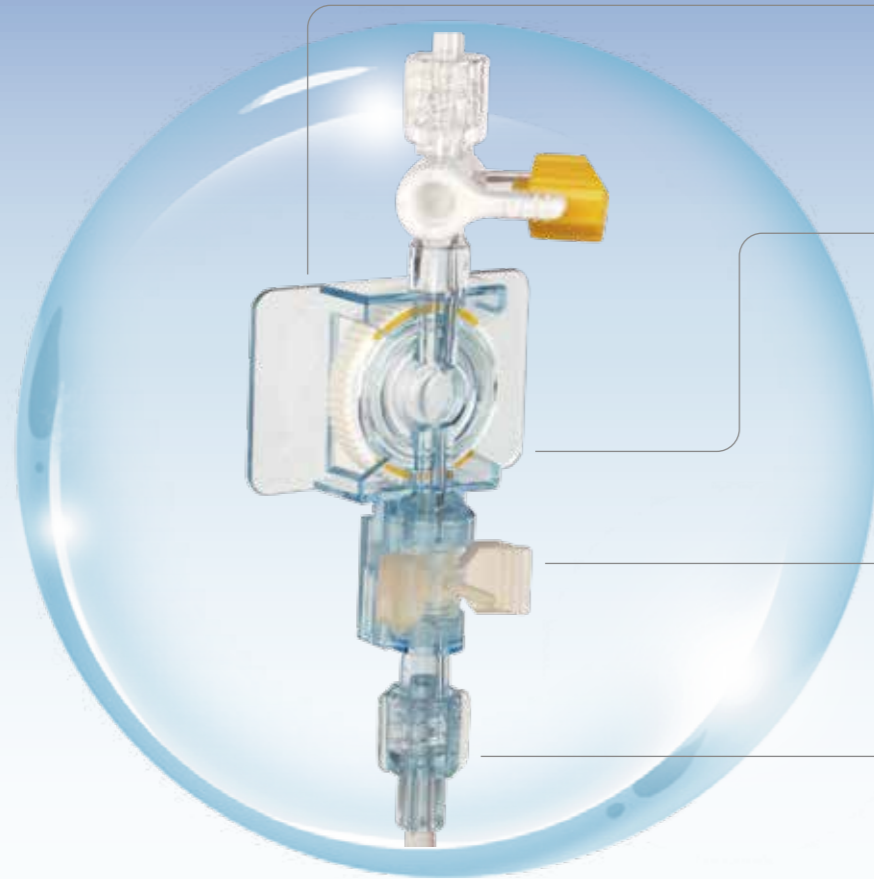


Semi-disposable Blood Pressure Transducer

Provide better solutions based on features, quality, operation and environmental friendly.



World's First Reusable Blood Pressure Transducer

Cost saving & Environment friendly

Small and Lightweight

Ideal for both pole mount and patient mount applications

Two Types of Flush

Controlled squeeze or pull-tab snap (dynamic waveform test)

Tubing and Lines

Optional color-coded for easy identification

Accurate measurement



Excellent hardware design



Transparent body



Minimizing biological waste



New sensitive sensor chip

Environmental friendly



Patent design



decrease pollution



Core chip with long life



easy operation



CONTENTS

All kits include sterilized BIOTRANS disposable Twist-On Dome with integral 3 or 30cc/hr flush device with Fast Flush and pressure relief functions. The table below identifies additional components included in sterilized, packaged single-use Pressure Monitoring Kits by catalog number. All luers are supplied with protection vented caps. All required non-vented caps are supplied in a separate pouch within each kit package.

Model No.	Description	Flush Device*	Extension Tube	Stopcock	Distal Tubing
BTR	Standalone DPT Without Flush Device	None	None	None	None
BTR-30**	Standalone DPT With Flush Device (Infant/Neonatal)	30cc/hr	None	None	None
BTR-3	Standalone DPT With Flush Device (Adult)	3cc/hr	None	None	None
BTR 4812-3	Single Monitoring Kit System (Adult)	3cc/hr	48" (122cm)	3-way	12" (30cm)
BTR2 4812-3	Bifurcated Monitoring Kit System (Adult)	3cc/hr	48" (122cm)	3-way	12" (30cm)
BTR3 4812-3	Trifurcated Monitoring Kit System (Adult)	3cc/hr	48" (122cm)	3-way	12" (30cm)
BTR 6012-3	Single Monitoring Kit System with 60" extension tubing (Adult)	3cc/hr	60" (152cm)	3-way	12" (30cm)

* Flush rates indicated are nominal and were obtained with 300mmHg pressure.

Fast Flush rates vary with the type of administration set and length and lumen diameter of the monitoring tubing catheter.

** Kits supplies with 30cc/hr (yellow banded) flush devices are intended for infant and neonatal applications.

Note: Please contact our Biopitmal Sales Representative for custom kits to meet your special requirements.

Reusable BIOTRANS™ Accessories

Model No.	Description
HM650-150	Vertical Mounting Clamp for IV Poles up to 4cm diameter
HM650-150-H	Horizontal Mounting Clamp for IV Poles up to 4cm diameter
HM650-150-R	Rotatable Mounting Clamp for IV Poles up to 4cm diameter in both vertical and horizontal application
BT-201	BIOTRANS II Sensor Base(reusable) with integrated 25cm sensor cable is designed for patient or pole mount application
PMA-1	Replacement Docking Bracket that holds 1 transducer at one time
3-in-1 Backplate	Transducer Holder that holds up to 3 transducer at one time
MAC-XX***	3.05m(10Ft) Monitor Adapter Interface Cables for specific brands of monitors

*** Please contact your Biopitmal representative for assistance.

SPECIFICATIONS

Environmental Performance

- Warehouse Storage Temperature <25°C
- Operating Temperature +15°C to +40°C(59F to 104F)
- Operating Atmospheric Pressure 10% to 90% non-condensing
- Operating Atmospheric Pressure 425mmHg to 850mmHg

Mechanical Specifications

- Pressure Range -30 to 300mmHg
- Overpressure Withstand -400mmHg to +4000mmHg
- Mounting Any axis

Safety Features

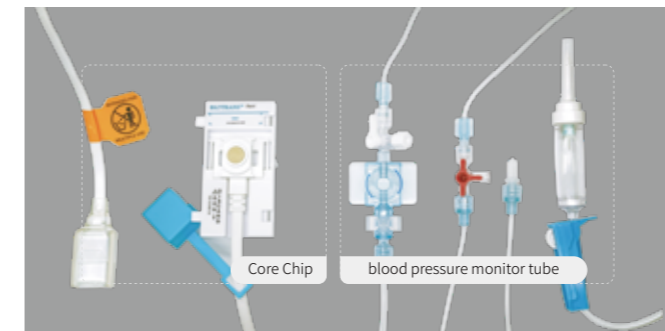
- Risk Current Less than 1uA
- Defibrillation Withstand 5 discharges in 5 minutes @ 360J

Electrical Performance

- Transducer Excitation Voltage 4 to 8 volt RMS
- Transducer Supply Frequency DC to 5000Hz
- Phase Shift <5°
- Transducer Excitation Impedance 300Ω to 400 ohms
- Transducer Signal Impedance 250 to 350 ohms
- Transducer Symmetry +/-5%
- Accuracy Meets AAMI/ANSI BP22 (1994) Standard
- Sensitivity 5μV/V/mmHg
- Zero Drift After 5 min Warm-up <2mmHg in 4hrs
- Zero Shift due to Temperature +/-10mmHg maximum*
- Light** Sensitivity @ 0mmHg <1mmHg
- Mechanical Shock withstands Withstands 3falls from 1 meter

* From 15°C to 40°C(59F to 104F) using 25°C(77F) as a reference .

** 3,000 foot-candles generated by 3,400K Tungsten source.



Semi-disposable Blood Pressure Transducer

After usage of Biotrans, only the pressure monitoring line is discarded. The core chip is reusable, and can maintain accuracy, which would reduce the pollution of medical waste.

TOUCH CHECK™, for example, lets you quickly check the operating status of your BIOTRANS™ re-usable, its pressure display after one use, after multiple uses, or at the time of the monitoring procedure.

For greater versatility, the BIOTRANS™ transducer with its unique “twist-on” dome and reusable sensor can be pole-mounted in single or multiple sets. Alternatively, BIOTRANS™ is a reusable sensor that is small enough to fit comfortably on a patient’s arm.

