

BD™ Reusable Transducers

Superior Technology and Performance



Indispensable to
human health



BD reusable pressure transducers have long been the preferred choice of physicians and nurses throughout the world. At BD, convenience and simplicity have always been essential criteria in product design.

Miniature model BD P10EZ offers unparalleled convenience.

The BD P10EZ small miniature transducer design is lightweight and permits convenient, direct patient-mounting for superb accuracy and waveform fidelity. The BD P10EZ can be pole mounted on BD's simple color coded holder which accommodates up to four transducers and makes setup and zero-balancing much easier.

The BD P23XL provides lower cost per application.

Ideal for use in the range of applications from CVP, PA, PA wedge, and arterial pressures to special procedures such as intracranial monitoring. It is engineered and constructed to improve longer transducer life for reduced cost per application. The BD P23XL is smaller than other standard size reusable transducers and features a rotating locking ring for fast and convenient dome coupling.

Transducer Specifications

Pressure range	-50 to +300 mmHg
Overpressure tolerance	10,000 mmHg
Bridge resistance	Input resistance - 1,000 ohms nominal Output resistance - 350 ohms nominal
Excitation voltage	Up to 10V DC or AC RMS maximum, up to 5 kHz
Zero offset	±40 mmHg, maximum
Sensitivity	5µV/V/mmHg ±1%
Thermal coefficient of sensitivity	±0.1%/°C
Thermal coefficient of zero	±0.3 mmHg/°C
Electrical leakage	<2µA at 120 V AC, 60 Hz
Defibrillator withstand	400 watt-seconds, maximum across 50 ohm load
Volume displacement	0.04 mm ³ /100 mmHg pressure
Non-linearity and hysteresis	±1.5 mmHg over 0 to 300 mmHg ±0.1 mmHg over 0 to 10 mmHg

Disposable Accessories

BD manufactures a wide range of BD CritiFlo™ presterilized disposable monitoring systems for use with these transducers. Contact your local BD representative for more information.

Ordering Information

Ref No.	Description	
684000 (P10EZ)	Weight	15 grams without cable
	Size	40 mm (1.6 inches)
	Cable length	3.7 m (12 feet)
684001 (P23XL)	Weight	5 grams without cable
	Size	37 mm, including dome (1.5 inches)
	Cable length	3.7 m (12 feet)

Reusable Accessories

682084	Diaphragm dome, made of transparent polycarbonate with rotating Luer-Lok™ fittings. Supplied sterile.
682062	Manifold Mount, accommodates Ref 682093. Reusable and supplied non-sterile.
682061	Transducer holder, holds four Ref 684000 transducers for pole mount application. These rugged holders prevent transducer damage by providing a secure mounting base.
682088	Diaphragm Dome, made of transparent polycarbonate with rotating Luer-Lok fittings and mounting base for patient mount or pole mount with Ref 682093. Supplied sterile.
682093	Transducer mounting background, accommodates vertical pole mounting of up to four Ref 684001 transducers in tandem. Attaches to Ref 682062 manifold mount. Reusable and supplied non-sterile.
682103	Transducer holder, holds two Ref 682061 transducers for pole



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