



Blood Pressure Transducer (invasive)

Cat. No. 17844

Easy to fill

High accuracy

Robust, reusable transducer

Typical Applications

- Arterial or venous blood pressure measurement
- Intensive care unit
- Intracranial pressure measurement
- intrauterine pressure measurement
- Urodynamic measurement
- Catheterization
- Connects to Data Acquisition Systems or to Chart Recorders



Main Features

- MPG Klasse II b, CE 0470
- Gold plated for easier cleaning
- Only wiping cleaning necessary
- Disinfection / Sterilisation with VIRKON (10 to 30 min) possible
- Short adapter cable with transducer + separate monitor cable
- Dome with "Snap-on" coupling
- Very high frequency response
- High overload protection (10.000 mm/Hg)
- Dome dry-coupled to the transducer

Specifications

Pressure range	- 20 ... + 300 mmHg
Overpressure max.	10 000 mmHg
Sensitivity	50 $\mu\text{V} / \text{V} / \text{cmHg}$
Resonance frequency	300 Hz typical (Transducer and Dome)
Electrical excitation max.	15 V DC or AC
Input resistance	
(Input)	700 Ohm
Output resistance	
(Output)	1000 Ohm
Non-Linearity & Hysteresis	max. 0.5 % FS
Zero balance	max. ± 30 mm/Hg

Thermal sensitivity shift	0.15 % / $^{\circ}\text{C}$
Thermal zero shift	max. 0.25 mm/Hg / $^{\circ}\text{C}$
Operating temperature range	+ 10 ... + 50 $^{\circ}\text{C}$
Storage temperature range	- 20 ... + 70 $^{\circ}\text{C}$
Insulation resistance	min. 103 MOhm
Leakage current	max. 1,5 μA at 250 V, 50 Hz
High Voltage resistance	10 KV between Dome and Transducer
Weight	24 g (without cable)
Length of adapter cable	ca. 30 cm
Length of monitor cable	ca. 250 cm
Connector	equipment specified

