

smiths

TranStar®

the high quality pressure transducer



PRESSUREMONITORING

THE HIGH QUALITY PRESSURE TRANSDUCER SYSTEM

TranStar® stands for quality

The TranStar® system comprises of a series of intelligently designed products built with high quality materials under stringent quality control.

Smiths Medical maintains a high standard of quality through constant monitoring and control, from production through to sterilisation.



Cable connector



SURE-CAL® cable



Cable



Modular back plate to accommodate TranStar®

TranStar® is available with:

- Secure System and Kids Kit™ – closed blood sampling systems.
- A range of standard and custom configurations for the ITU, OR and CathLab.



TranStar®

Specification

Sensitivity	5.0 $\mu\text{V} / \text{V} / \text{mmHg} \pm 1\%$	Temperature coefficient of Offset	0 \pm 0.3 mmHg/ °C
Zero balance	0 \pm 40 mmHg	Operating pressure	-30 to 300 mmHg
Zero drift	\leq 2 mmHg in 8hrs	Over-pressure	-400 to 6,000 mmHg
Input impedance	350 Ohms nominal	Volumetric displacement	<0.04 $\mu\text{l} / 100$ mmHg
Output impedance	300 Ohms nominal	Symmetry	0 \pm 5%
Calibration requirement	100 \pm 3 mmHg	Defibrillator withstand – per AAMI	5 in 5 min. at 400 J
Linearity & Hysteresis	1 mmHg \pm 2%	Leakage current	\pm 5 μA at 115V, 60Hz
Compensated temperature range	15-40°C	Light sensitivity – per AAMI	< 1 mmHg shift
Temperature coefficient of sensitivity	0 \pm 0.1% / °C	Monitor compatibility	all monitors
Excitation voltage range	4-8 V (DC to 5kHz)		

THE DETAILS GIVEN IN THIS LEAFLET ARE CORRECT AT THE TIME OF GOING TO PRESS. THE COMPANY RESERVES THE RIGHT TO IMPROVE THE EQUIPMENT SHOWN.

For further information please call your local Smiths Medical distributor or Smiths Medical on +44 (0)1303 260551

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