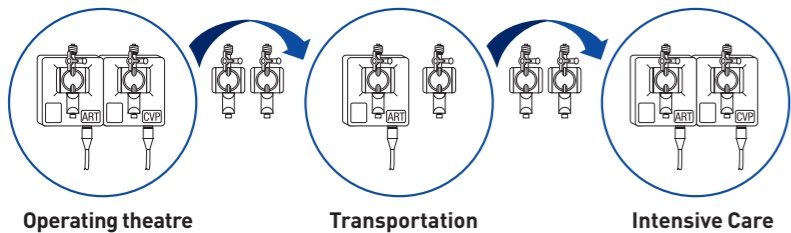


LogiCal®

the innovative pressure transducer system



Advantages:

- The LogiCal® station remains in place as an extension to the monitor.
- SURE-CAL® checks the system integrity in seconds.
- The LogiCal® station is ready for use when the patient arrives.
- Only the disposable patient set is transported with the patient.
- You save time and money.
- Environmentally friendly.
- Reduced transportation of equipment ensures that the system is ready for use when you need it.

Technical Data

Pressure measurement range	- 30 to + 300 mmHg
Sensitivity	5µV / V / mmHg nominal
Output impedance	300 Ohm ± 10%
Input impedance	630 Ohm nominal
Balance	0 ± 50 mmHg
Temperature sensitivity coefficient	0 ± 0.1% / °C
Temperature coefficient of calibration value	0 ± 0.3 mmHg / °C
Excitation	4-8 Volt DC to 5 kHz
Risk current	< 5µA at 115 Volt (alternating current), 60 Hz
Overpressure withstand	- 400 to + 4000 mmHg
Defibrillation capacity	5 discharges in 5 min. at 360 joule
15% pressure transducer band width	> 200 Hz

Excellent Design, Simplest Logistics and Safe Operation

The function dictates the form: the Smiths Transducer and Mounting System demonstrate this in exemplary fashion.

LogiCal® received the coveted Design Award in 1998. Users confirm that no other system can compete in terms of ecological and economical design, quality and ease of handling.



The pressure transducer remains stationary while the pressure monitoring set is fully portable

When your patient is transferred to Intensive Care, simply transfer the pressure monitoring set along with them. The cartridges are easily disconnected and reconnected. The LogiCal® system remains in place, as an extension to the monitor.

SURE-CAL® allows you to check the functionality of the system before your patients arrive. Simply press the SURE-CAL® button, when the monitor indicates 100 mmHg, you can be confident that your system is functioning correctly.

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.

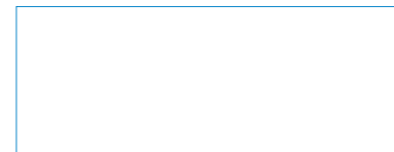
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PRESSUREMONITORING



Smiths designed the LogiCal® system to be unique in the field of invasive pressure monitoring. LogiCal® eases workloads and provides efficiency both on the ward and during patient transfer.

The LogiCal® Pressure Monitoring System has been proving its excellence in hospitals all over the world. It is easy to use, extremely reliable and has helped to maintain Smiths' position as a European market leader in the field of invasive blood pressure monitoring.

Ensure that your staff and patients benefit from the advantages of LogiCal®

- Saving you time in set-up and transfer.
- LogiCal's® Microchip technology is environmentally friendly.
- The Cable Management System and innovative Flush Device ensure that handling is both efficient and highly convenient.

Pressure Monitoring made easy

- Optimised Microchip technology provides constant electronic parameters, compensates for temperature fluctuations and ensures stability.
- The built-in SURE-CAL® facility provides an integrity check of the system in seconds.
- The unique design of the connector ensures that fluid ingress into the electronic system is eliminated.

Pressure cartridge with integrated flush system

- The cartridge has been designed with a smooth inner surface and low priming volume, which ensure a bubble-free circuit.
- A guide rail system on the pressure transducer ensures that the cartridge is inserted simply and correctly.
- An audible click indicates that proper dry coupling has taken place (the first safety check).
- An innovative release system facilitates rapid disconnection.

Modular Mounting System

- The award winning design of the LogiCal® Mounting System allows for quick and easy set up.
- The modular nature of the system means that you can read up to 4 pressures at any given time.
- Its smooth plastic surface is easy to clean.

Cable management system for perfect organisation

- Even if you are reading multiple pressures, just one cable leads back to the monitor.
- Short pigtail cables connect the pressure transducer to the cable bank built into the mount.
- Numerically coded cables allow correct connection.
- The LogiCal® system is ready for use at any time.