

Sense-IT™ (DIPT)

Elcam Disposable Integrated Pressure Transducer is indicated for pressure sensing during clinically invasive procedures.

Elcam Medical's Sense-IT™, is the first and only fully integrated pressure transducer. This integration provides you with the highest degree of reliability and robustness, along with the space saving and ease of use so much needed in Intensive Care Units and Operating Rooms.

Elcam offers a wide variety of configuration options for the different parts of the Sense-IT™



Patient Monitoring



 Elcam Devices  Elcam Stopcocks  Elcam Components

Benefits

Reliability

- Robust structural integrity
- Air-ingress safety
- Assured electrical and leakage conditions by 100% in-production tests
- State of the art assembly process
- Highly automated production line, fully controlled by on-line testing

Ease of use

- Full visibility of the entire flow path
- Easy and safe priming and debubbling
- Single hand operation of flush device
- Dual-mode flush device
- Compact size

Accuracy

- Very low dynamic response

Available configurations

Stopcock options: 3&4 way, handle shape and color, optional cap on female port (several venting and color options), tube assembly or tube fitment options.

3 or 30 ml/hr flush device: 30 ml version is designed especially for pediatric use, employing a pump, while the 3 ml/hr device is for more general use (gravity feed).

Connector type, Components color (base, elastomer), Printing of customer's logo:

Available in a wide variation of options.

Applications

- Continuous arterial blood pressure monitoring
- Central venous pressure monitoring
- Pulmonary artery monitoring
- Left atrial monitoring when used with an air eliminator
- Cardiac catheterization

Sense-IT™ (DIPT) specification

Sensing unit properties

Pressure Ranges	-30 to +300 mmHg (-0.58 to +5.8psi)
Overpressure	Min. 6465 mmHg (125 psi)
Operating Product Life	168 hours
Shelf Life	5 years

Performance Parameters¹

Frequency Response	Min. 1200 Hz
Offset Drift ²	Max. 1mmHg/ 8hrs

Mechanical specifications

Low flow test (3ml/hr variant)	1.9 to 5.0 ml/hr@276mmHg
Low flow test (30ml/hr variant)	20 to 40 ml/hr@276mmHg
High flow test	Min. 125 ml/min@276mmHg
Multiple engagements	continuity is kept following 30 cable engagements

¹ Assuming 6 VDC and 22°C and after 5 sec. warm-up

² Normalized offset/bridge voltage — 8 hours after 20 sec. warm-up

Regulatory status:

- 510(k) cleared
- Biocompatible according to ISO 10993-1
- Compliance with the following international standards:
ANSI/AAMI BP22-1994 IEC 60601-1, IEC 60601-2-34

Intended use:

For single use only.
Maximum use duration is 96 hours.



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