

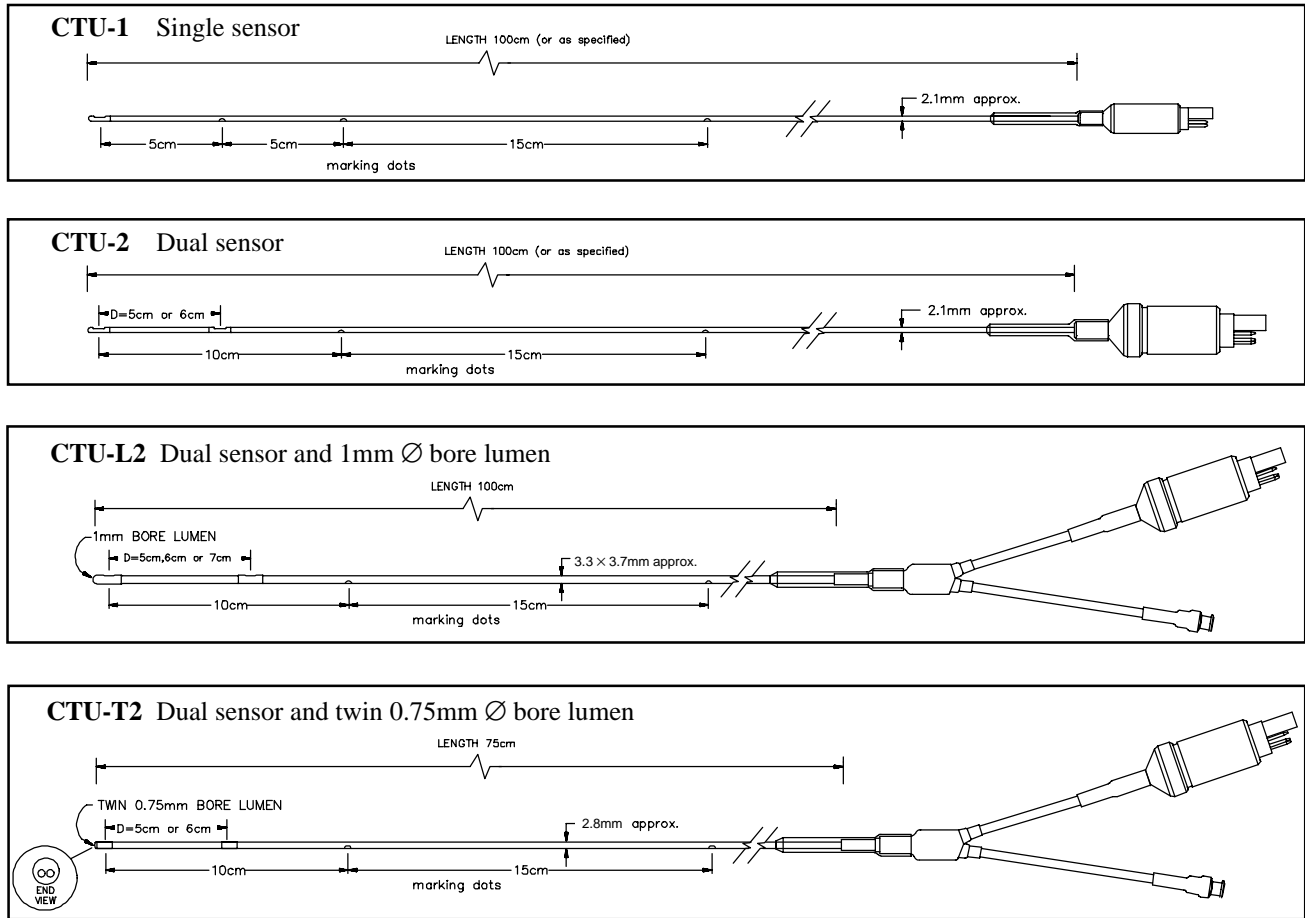
Catheter Tip Pressure Transducers for Urology

The Gaeltec CTU range feature robust metal sensing diaphragms mounted within soft flexible silicone rubber catheters. They have excellent frequency response and are simple to use in all urological applications including ambulatory recording.

The units are compatible with a wide range of monitors, which have been set for use with conventional transducers having a sensitivity of $5\mu\text{V}/\text{V}/\text{mmHg}$, using the extension lead, type EL-1 for single and EL-2 for dual sensor catheters, with the appropriate connector which can be fitted by the customer or by Gaeltec.

Sterilisation is by means of cold aqueous solutions of detergent (e.g. Cidex) or by ethylene oxide gas. Do not use sodium hypochlorite solution.

Gaeltec is able to supply variations on these standard items to suit the particular needs of the customer.



SPECIFICATIONS

- Sensor:** Metal diaphragm with directly deposited resistive strain gauges
- Excitation:** 5V AC r.m.s. maximum or 1V DC maximum
- Bridge resistance:** 1.5kΩ nominal
- Sensitivity:** $5\mu\text{V}/\text{V}/\text{mmHg}$
- Linear pressure range:** 0 - 150mmHg
- Compensated temperature range:** 15 - 40°C
- Temperature coefficient of zero:** $< 0.05\% \text{FS}/\text{C}^\circ$
- Temperature coefficient of sensitivity:** $< 0.2\%/\text{C}^\circ$
- Linearity and hysteresis error:** $< \pm 1\% \text{FS BSL}$
- Overpressure:** 600mmHg
- Connector:** 6 pin Lemo 2 series for single sensor, 14 pin Lemo 4 series for dual sensors

NOTE : All specifications are subject to modification without notice. (00/1)

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