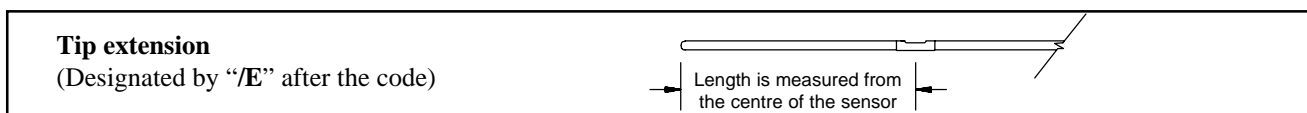
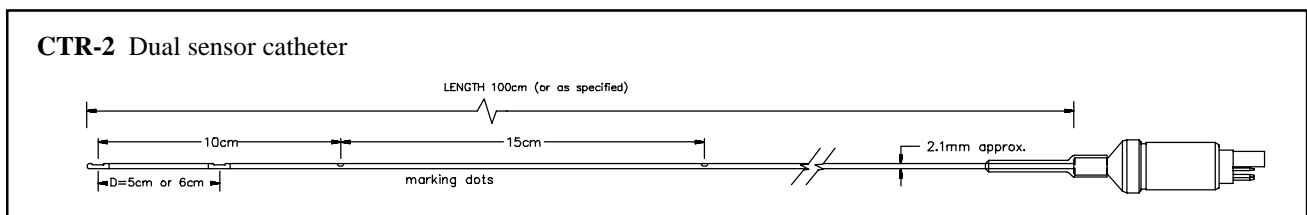
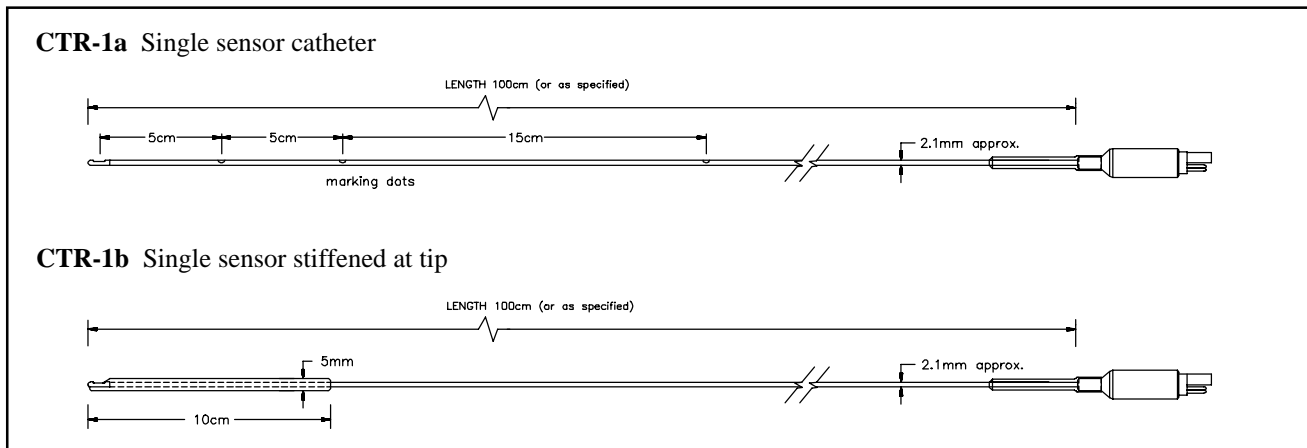


Catheter Tip Pressure Transducers for Ano-rectal Manometry

The Gaeltec CTR range feature robust metal sensing diaphragms mounted within soft flexible silicone rubber catheters. They have excellent frequency response and are simple to use for standard manometry as well as 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 $5\mu\text{V/V/mmHg}$. 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 in the sensor spacing on these standard items to suit the particular requirements of the customer usually at no extra cost. Over the years we have made a wide variety of devices using our proven technology. We can make special units with lumens, balloon ties, EMG electrodes and multiple sensors at one location. For instance, we have made multiple sensor catheters approximately $7\text{mm } \varnothing$ with a $6\text{F } 2\text{mm } \varnothing$ PTFE tube with balloon tie able to slide within the central lumen. If you have a special need, ask us.



SPECIFICATIONS

Sensor: Metal diaphragm with directly deposited resistive strain gauges

Excitation: 5V AC r.m.s. maximum or 1V DC maximum

Bridge resistance: 1.5k Ω nominal

Sensitivity: $5\mu\text{V/V/mmHg}$

Linear pressure range: 0 - 300mmHg

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: 1200mmHg

Connector: 6 pin Lemo 2 series for single sensor, 14/14/16 pin Lemo 4 series for 2/3/4 sensor catheters.

As supplied on the appropriate extension lead type EL-1/2/3/4

NOTE: All specifications are subject to modification without notice. (00/2)

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