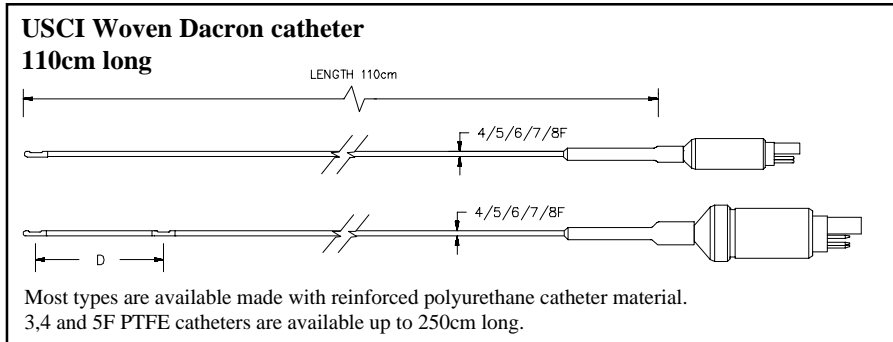


Catheter Tip Pressure Transducers for Cardiology

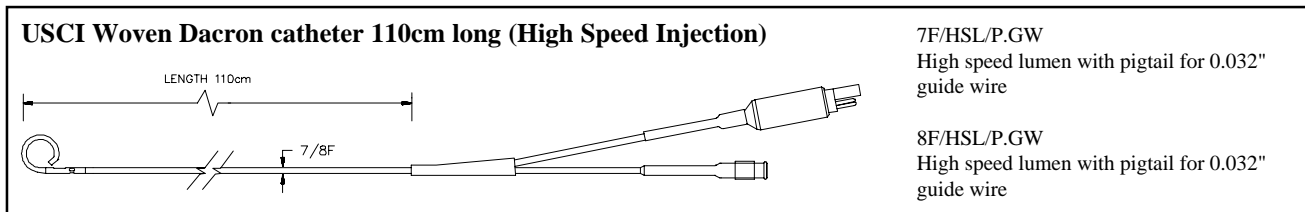
The Gaeltec CTC range feature robust metal sensing diaphragms within polished surgical steel (AISI type 304) bodies which can be mounted on a variety of catheter types. They have excellent frequency response and are simple to use. The units are compatible with a wide range of monitors, which have been 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.



USCI Woven Dacron catheter 110cm long (Slow Injection)

- 5F/L 0.5mm \varnothing bore lumen, at tip or beside the sensor
- 6F/L 0.5mm \varnothing bore lumen, at tip or beside the sensor
- 7F/L 0.75mm \varnothing bore lumen, at tip or beside the sensor
- 8F/L 1mm \varnothing bore lumen, at tip



This list is intended as a guide to our normal range of devices. We always try to provide the exact requirements of our customers and can usually combine elements from any of our catheter designs into one unit in a modular fashion. Over the years we have made a wide variety of devices using our proven technology. 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%FS/C°
- Temperature coefficient of sensitivity:** < 0.2%/C°
- Linearity and hysteresis error:** < $\pm 1\%$ FS BSL
- Overpressure:** 1200mmHg
- Connector:** 6 pin Lemo 2 series for single sensor, 14 pin Lemo 4 series for 2/3 sensor catheters.
As supplied on the appropriate extension lead type EL-1/2/3

NOTE : All specifications are subject to modification without notice. (98/6)

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