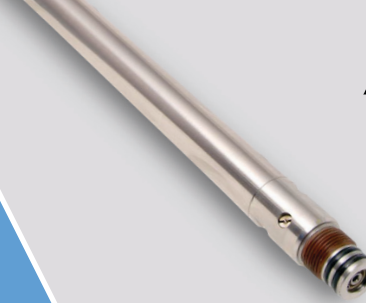


CASED-HOLE LOGGING

# QUARTZ PRESSURE & CASING COLLAR LOCATOR



MAKING INTERVENTION  
**SMARTER**

Depth correlation and pressure measurement. The QPC is a short combination tool consisting of two sensors: a quartz pressure sensor and a CCL (Casing Collar Locator).

## APPLICATIONS

The CCL is a depth correlation tool. The tool responds to changes in tubing metal volume, and can detect collars and indicate perforations or damage. The pressure sensor consists of a quartz crystal and is used for downhole flowing and shut-in pressure measurements. The QPS is also a quartz sensor measuring the wellbore pressure. The tool is used as a second pressure sensor in the toolstring and has the same specifications as the pressure sensor in the QPC-tool.

## FEATURES

- Depth correlation
- Location of severe casing or tubing damage
- Confirmation of perforation depths
- Combinable with other GE Ultrawire™ tools
- Memory or surface read-out operation

## BENEFITS

Pressure data can be used to:

- Determine the efficiency of the well and the performance of the reservoir
- Convert flow rates from down hole to surface conditions
- Monitor well stability
- Estimate density (fluid identification)

| SPECIFICATION          | QUARTZ PRESSURE & CCL |
|------------------------|-----------------------|
| Length                 | 483mm/19.01in         |
| Weight                 | 4.0kg/8.8lbs          |
| OD                     | 43mm/1.688in          |
| Pressure Accuracy      | ± 0.2% FS             |
| Pressure Resolution    | < 0.008psi            |
| Pressure Response      | < 1 sec for 99.5%     |
| Pressure Drift         | < 3psi/year           |
| Temperature Accuracy   | ± 0.15 °C/± 0.27 °F   |
| Temperature Resolution | < 0.005 °C/< 0.009 °F |
| Maximum Pressure       | 1030 bar/15,000psi    |
| Maximum Temperature    | 177 °C/350 °F         |