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TECHNICAL DATA SHEET

CCL
Casing Collar Locator

The Casing Collar Locator (CCL) responds to changes in metal volume, such as in casing or tubing joints, or downhole completion components or perforations. The CCL is primarily used to accurately correlate tools and log data to downhole casing joints or completion components.

As the tool passes a collar, or change in metal volume, lines of magnetic flux between two opposing permanent magnets are disturbed.

This causes a low frequency voltage or Electro Magnetic Force (EMF) to be induced in a coil, mounted between the permanent magnets.

Finally the signal is converted by a voltage-controlled oscillator for recording into memory or transmitting to surface in real-time.

APPLICATIONS:
- Depth correlation in casing or tubing
- Correlation of Production Logging or Well Integrity logs
- Plug and packer setting depth assurance

BENEFITS
— High accuracy position determination

— Digitised and amplified signals for clear collar response

— Deployable on Slickline, Electric line, Coil Tubing or Tractor

— Designed to be run in combination with full suite of production logging and well integrity tools

— Suitable for all well deviations, including horizontal

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Specifications

Temperature rating	350°F (177°C)
Pressure rating	15,000 psi (103.4 MPa)
Shroud diameter	1 $^{11}/_{16}$ in (43 mm)
Tool length	18.5 in (470 mm)
Tool weight	12.1 lb (5.5 kg)
Materials	Corrosion resistant throughout

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