

Casing Collar Locator (CCL)



The Sondex* Casing Collar Locator (CCL) responds to changes in metal volume, such as pipe collars and perforations.

Description

As the tool passes a collar, or changes in metal volume, lines of magnetic flux between two opposing permanent magnets are disturbed. This causes a low frequency voltage or Electro Magnetic Field (EMF) to be induced in a coil, mounted between the permanent magnets. Finally, the signal is converted by a voltage-controlled oscillator for recording in the Ultrawire* section of the tool.

Features

- Combinable with other Ultrawire production logging tools
- Depth control in casing or tubing
- Location of casing or tubing damage
- Confirmation of perforation depths or intervals

Specifications

Temperature rating	350°F (177°C)
Pressure rating	15,000 psi (103.4 MPa)
Tool diameter	1 11/16 in. (43 mm)
Tool length	18.5 in. (470 mm)
Tool weight	12.1 lb (5.5k g)
Toolbus	Ultrawire*
Current consumption	16 mA
Sensor measure point	6.5 in. (165.1 mm)
Materials	Corrosion resistant throughout



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