

Casing Collar Locator

Titan Division | Instruments

Overview

The Casing Collar Locator (CCL38) is used in cased hole for positioning measurement by responding to the changes in metal volume. The CCL detector consists of a coil and four magnets. The four magnets are installed in pairs at the upper and lower ends respectively so that the coil is in a constant magnetic field. When the tool passes a collar, the magnetic flux is disturbed and an electric signal is generated. The signal is then amplified and converted to frequency, which is then counted in MCU. When the telemetry cartridge polls, the count is sent to telemetry for encoding and then to the surface.

Application

Collar location in cased hole for depth correction

Specifications

Model	CCL38
OD	43 mm (1.38")
Max Working Temperature	177°C (350°F)
Max Working Pressure	103MPa (15,000 Psi)
Shipping Length	492mm (19.37")
Make-up Length	397mm (15.63")
Measuring Point	146.6mm (5.77")
Operating Voltage	15V-20V
Operating Current	32mA±3mA
Logging Speed	> 400m/h
Transmission	Mono-conductor
Protocol	WSTbus
Baud Rate	500kbit/s
SNR	>5
Threads	1 3/16-12 Standard (Female/ Male)
Tool Weight	2.86 Kg (6.2 lbs)



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