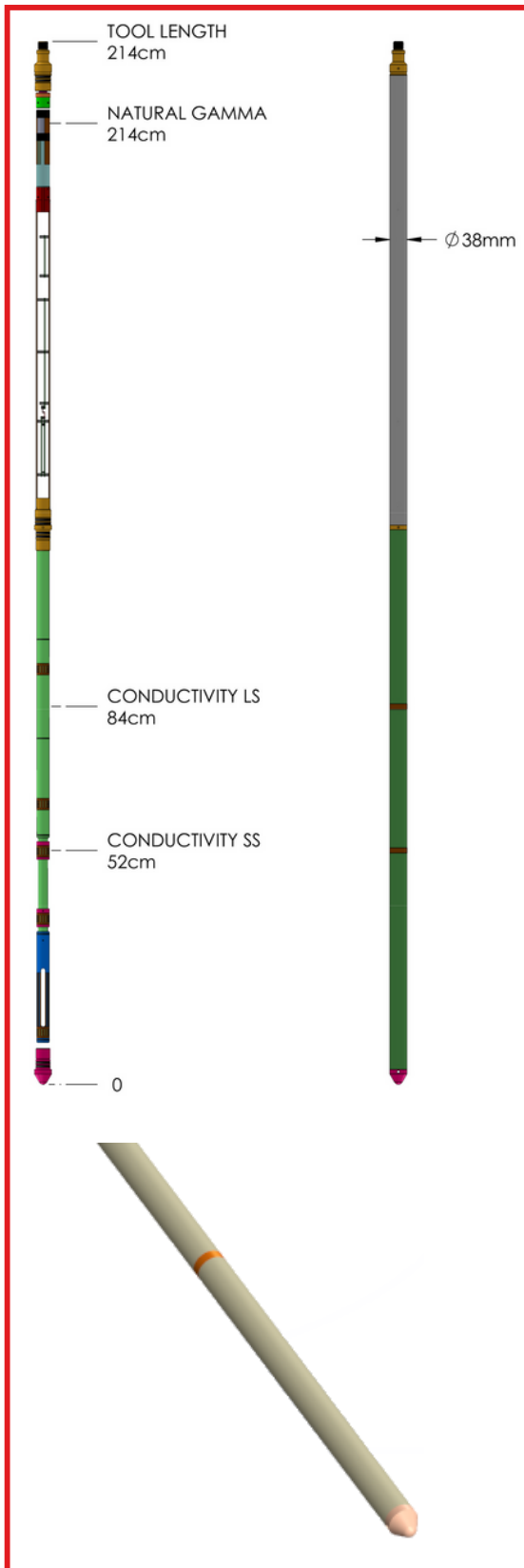


Dual Induction probe



The **DIL38** induction conductivity probe generates an electromagnetic field in the vicinity of the borehole and measures the response of the formations to this applied field. On both long (ILD) and medium spacing (ILM) receivers in-phase and quadrature measurements are taken and digitised by the probe electronics for transmission to the surface equipment. In this way both formation conductivity and magnetic susceptibility data can be obtained, even in dry or PVC equipped boreholes.

The relatively low operating frequency and the design of the coil array combine to minimise borehole effects and maximise both depth of investigation and vertical resolution.

As an option, the probe can be supplied with a natural gamma detector to provide additional lithological information or for horizon correlation purposes.

Specifications

- ✓ Diameter: 38 mm / 1.5"
- ✓ Length: 2150 mm / 84.65"
- ✓ Weight: 6 kg / 13.23 lbs
- ✓ Max operating Temp.: 70°C / 158°F
- ✓ Max operating Pressure: 200 bar / 2900 psi

Data / sensor parameters

- ✓ ILD effective spacing: 810 mm / 31.9"
- ✓ ILM effective spacing: 510 mm / 20"
- ✓ Operating frequency: 39.1 kHz
- ✓ Measuring range (cond.): 0.2 to 5500 mmho/m
- ✓ Measurement resolution: 0.25 mmho/m
- ✓ Effective range (resistivity): 0.2 to 200 Ω·m

Accessories / options

- ✓ Natural Gamma detector: Cristal ø25x50mm NaI(Tl)
- ✓ Field calibrator

Borehole conditions

- ✓ Dry or fluid-filled borehole
- ✓ Open or PVC-cased borehole