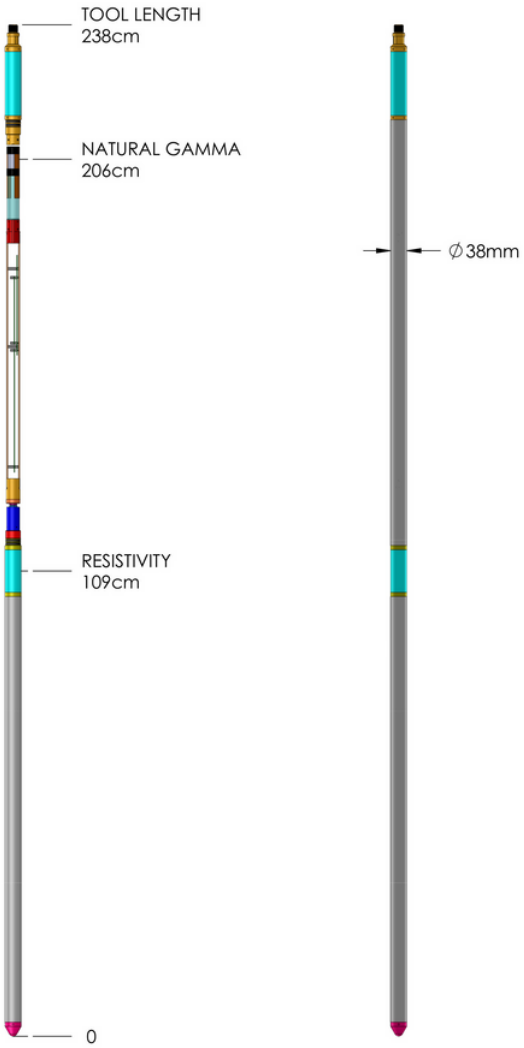
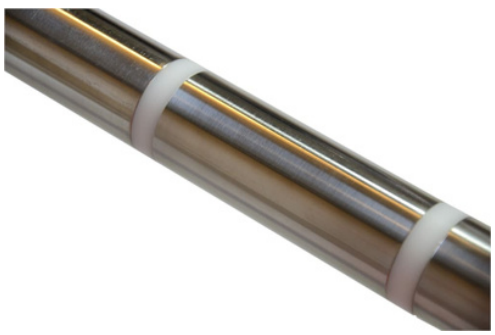
GUIP38

Focussed resistivity probe





The defining element of the **GUIP38** probe, the use of a pair of equipotential "guard" electrodes, ensures a reliable formation resistivity measurement by focussing the injected current in a way that maximises vertical resolution and penetration into the formations while avoiding dissipation in the borehole fluid.

As well as providing high-resolution and full-range focussed resistivity measurements, an onboard processor calculates formation conductivity (in mmho/m) and capacitance (µF) values.

Due to focussing of the injection current, this method allows a resolution of thinner layers compared to a log of the traditional "normal" type. The other advantage of this method lies in the fact that it is suitable for difficult hole conditions (salt mud). This type of log is most often used for formation evaluation (lithology / porosity) and groundwater quality studies.

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
✓ Length:	2380 mm
✓ Weight:	7 kg
✓ Max. operating temperature:	70°C
✓ Max. operating pressure:	200 bar

Data / sensor parameters

✓ Resistivity meas. range:	0 to 8 kΩ·m (high resolution) 0 to 32 kΩ·m (full range)
✓ Resistivity precision:	0.125 Ω·m (high resolution) 0.5 Ω·m (full range)

Accessories / options

✓ Natural gamma detector:	Cristal ø25 x 50mm NaI(Tl)

Borehole conditions

✓ Fluid filled, open borehole

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