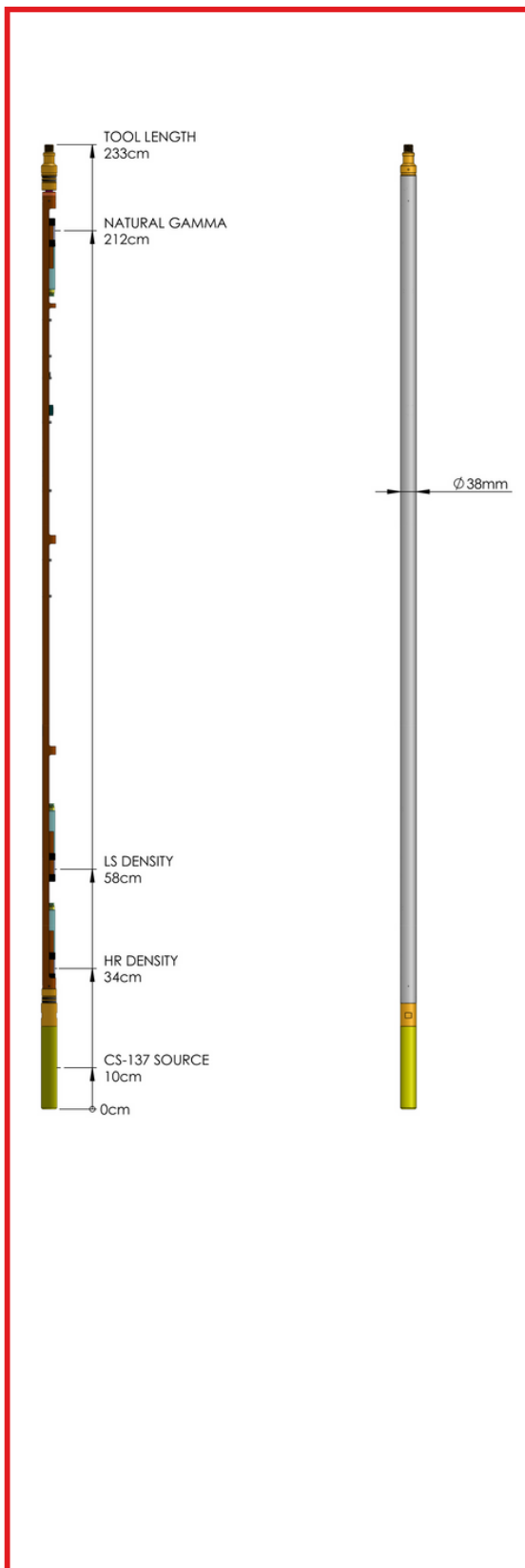


## Trisonde density probe



The **TRS38G** probe provides long-spaced (LSD) and high-resolution (HRD) global density measurements, based on the Compton scattering principle, as well as a natural gamma log.

This probe is intended for use in open and cased-hole conditions where a focussed sidewall density probe can not be deployed, or where calibrated results in g/cm<sup>3</sup> are not necessary. It is widely used in the geotechnical sector where boreholes are drilled for reconnaissance, diagnostic or remedial works.

In cases where the customer is not already in possession of these items, a source holder and Type A-approved source transport container are supplied with the probe. As standard, the source holder is designed to receive a Cs7.P03 capsule manufactured by Eckert & Ziegler Cesio and is shipped empty. Source capsule provisioning, installation of the capsule in the source holder and all necessary licensing remain the responsibility of the customer. We recommend a source activity of 3.7 GBq (100 mCi) in normal operating conditions.

### Specifications

- ✓ Diameter: 38 mm
- ✓ Length: 2330 mm
- ✓ Weight: 12 kg
- ✓ Max. operating temperature : 70°C
- ✓ Max. operating pressure : 200 bar
- ✓ Power supply: 70 to 100 Vdc

### Data / sensor parameters

- ✓ Density/nat.gamma detectors:  $\varnothing 25 \times 50\text{mm}$  NaI(Tl) crystal
- ✓ Source detectors spacing: 24 cm (HRD), 48 cm (LSD)
- ✓ Source type: Cs-137 (Ga energy 660 keV)
- ✓ Recommended source activity: 3.7 GBq (100 mCi)

### Accessories / options

- ✓ Source holder
- ✓ Source transport container

### Borehole conditions

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