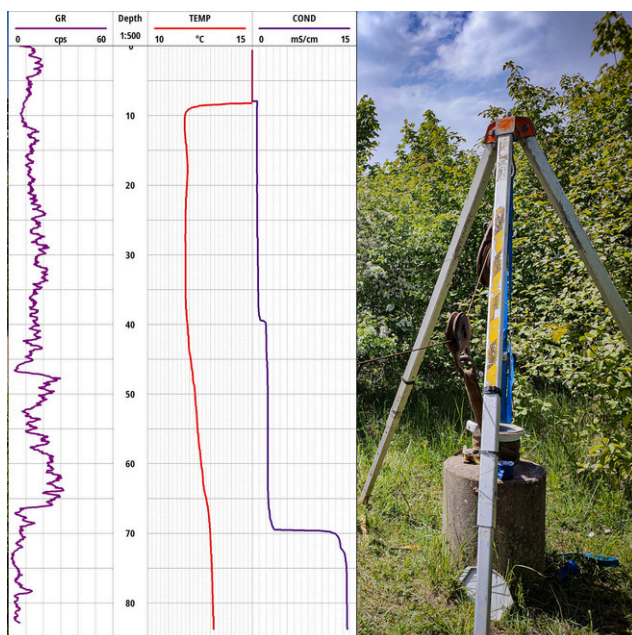
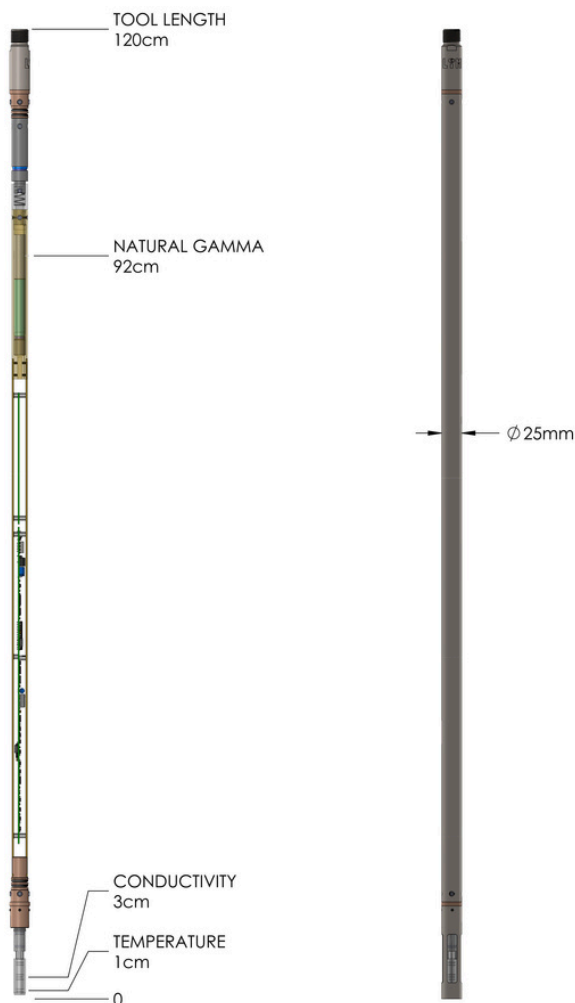


# TC25 / TC25-G

## Slimline Fluid Temperature & Conductivity Probe



Based on a sensor assembly incorporating a precision 7-ring conductivity cell and sensitive thermistor device, the **TC25** probe provides fluid temperature and conductivity measurements from a slimline package. The probe is intended for use principally in the groundwater monitoring context, such as in piezometer tubes and other PVC or steel cased boreholes.

According to the context, the conductivity measurement can be software-switched between high sensitivity and extended range modes. The high sensitivity scale (0 to 6 500  $\mu\text{S}/\text{cm}$ ) is suited to potable water applications, while the extended range setting (0 to 65  $\text{mS}/\text{cm}$ ) permits the probe to be used in, for example, coastal saline intrusion monitoring.

The probe can optionally be supplied with a gamma ray detector.

### Specifications

- ✓ Diameter: 25 mm
- ✓ Length: 1 200 mm
- ✓ Weight: 2.4 kg
- ✓ Max operating temp.: 70°C
- ✓ Max operating pressure: 100 bar
- ✓ Housing materials: SS / bronze

### Data / sensor parameters

- ✓ Fluid conductivity
  - (i) 0 - 6 500  $\mu\text{S}/\text{cm}$  (resolution 0.1  $\mu\text{S}/\text{cm}$ )
  - (ii) 0 - 65  $\text{mS}/\text{cm}$  (resolution 0.001  $\text{mS}/\text{cm}$ )
- ✓ Fluid temperature: 0 - 65°C (resolution 0.001°C)
- ✓ Gamma ray (optional):  $\Phi 12.7 \times 50$  mm NaI crystal

### Borehole conditions

- ✓ Fluid-filled borehole
- ✓ PVC or steel-cased hole
- ✓ Open hole (precaution advised)

