

Vaisala Soil/Water Temperature Probe QMT103 and QMT110



Features/Benefits

- The sensor element type Pt-100, specified accuracy level of 1/3 class B, IEC751
- Excellent accuracy, repeatability, and long-term stability
- Wide operating range
- Water tight connector
- Temperature sensor ideal to measure soil, air, leaf and water temperatures of great stability and high accuracy
- Calibration traceable to international standards (NIST)

The Vaisala Soil/Water Temperature Probe QMT103 / QMT110 is particularly well suited for the precision measurement of ground and soil temperatures. All the materials used in its manufacture have been carefully selected to withstand various types of environmental stress and a wide range of temperatures.

The measurement accuracy and stability of the temperature probe are based on a Pt-100 type sensor element, which is specified to a level of precision of 1/4 DIN 43760B. The probe includes a 5-meter cable with a black, weather-resistant polyurethane (PUR) sheath which withstands both abrasive wear and extreme temperatures. A 5-pin watertight connector is molded to the other end of the cable for quick installation and replacement.

The Vaisala Soil/Water Temperature Probe QMT110 model has a 10-m cable with connector.

Technical data

Property	Description/value
Sensor type	Pt-100 type RTD element
Performance	Better than +0.08 °C at 0 °C, conforms to 1/4 DIN 43760B
Sensitivity	0.385 ohm/°C (DIN 43760)
Dimensions	Ø 6 mm, length 150 mm
Material	Stainless steel, AISI 316
Environmental	Watertight from 0.1 to 4 bar
Cable	PUR black, 5 x 0.5 mm ² Cu Length QMT103 - 5 m, QMT110 - 10 m
Ingress protection	IP68 (connector)