

STEVENS HYDRA-PROBE UNDERGROUND TEMPERATURE & MOISTURE SENSOR SDI-SMT-2



The SDI-SMT-2 Hydra probe offers a unique advantage over other soil probes by providing an all-in-one, in-situ system that can measure many different parameters simultaneously.

- Instantaneous sensor response
- Serial addressable: multiple units on one cable
- Maintenance-free
- Easier monitoring of remote sites
- Easily linked to wireless systems
- No calibration required for most soils
- Digital or analog output
- Compact, rugged for years of in-soil use

Technical Specifications

Dielectric Constant:

Range: 1 to 80 where 1 = air,
80 = distilled water

Accuracy: $\pm 1.5\%$ or 0.2 whichever is typically greater

Soil Moisture:

Accuracy: $\pm 0.5\%$

Resolution: 0.1%

Range: 0% to 100% of saturation

Operating range: -30°C to 60°C

Soil Temperature:

Precision: $\pm 0.1^{\circ}\text{C}$ @ $+20^{\circ}\text{C}$

Resolution: 0.1°C

Operating range: -30°C to 60°C

Dimensions:

Length: 12.4cm (4.9")

Diameter: 4.2cm (1.6")

Weight: 200g

SDI CABLE

