![METER ENVIRONMENT logo]

TEROS 21

HIGHLY ACCURATE. YET LOW MAINTENANCE AND LOW COST

The TEROS 21 water potential sensor is incredibly easy to use. It requires no maintenance, and it's accurate enough for most applications. In fact, the TEROS 21 provides an even more accurate soil moisture picture than measuring water content alone. A water content sensor only shows the percentage of water in the soil, but add a TEROS 21, and you'll know if that water is available to plants and where it will move. Plus, unlike water content, matric potential isn't dependant on soil type, so you can compare moisture between different sites. Not only that, the TEROS 21 is surprisingly affordable, especially when you consider it measures across a wide range, including dry values.

FEATURES

- Easy to use
- Six-point factory calibration, no recalibration necessary
- Tough, long-lasting body
- Low salt sensitivity
- Excellent range (-9 kPa all the way to air dry [-100,000 kPa])
- On-board temperature measurement
- SDI-12 compatible

SPECIFICATIONS

WATER POTENTIAL

Range: 0 to −100,000 kPa (1.70 to 6.00 pF)
Resolution: 0 kPa
Accuracy: ±(10% of reading + 2 kPa) from −100 to −5 kPa
NOTE: TEROS 21 Gen 2 can read up to 0 kPa when on a wetting path. The air entry of the soil limits the performance of the sensor to 0 kPa on the drying curve.

NOTE: TEROS 21 is not well calibrated beyond -100 kPa. For more information on using the TEROS 21 beyond this range, see Section 3.3.3 in the user manual

DIELECTRIC MEASUREMENT FREQUENCY: 70 MHz

TEMPERATURE
Range: −40 to +60 °C
Resolution: 0.1 °C
Accuracy: ±1 °C

OUTPUT: RS-232 (TTL) with 3.6-V or SDI-12 protocol

OPERATING TEMPERATURE: Minimum: −40 °C Maximum: +60°C

DATALOGGER COMPATIBILITY: METER ZL6, EM60, and Em50 data loggers or any system capable of 3.6- to 15-VDC power and serial or SDI-12 communication

DIMENSIONS: Length: 9.6 cm (3.8 in) Width: 3.5 cm (1.4 in) Height: 1.5 cm (0.6 in)

CABLE LENGTH: 5m standard, 75m maximum

CONNECTOR TYPE: 3.5-mm stereo plug connector or stripped and tinned wires

COMPLIANCE: Manufactured under ISO 9001:2015 EM ISO/ IEC 17050:2010 (CE Mark)