



PEAK ENVIRONMENTAL MONITORING

irrigation management
environmental monitoring
soil and water monitoring

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Peak Environmental Monitoring

Precision soil moisture sensor.

The SMT01 is a sensor for monitoring soil moisture levels and soil temperature values in precision farming and environmental monitoring applications. It provides the data required for cost efficient irrigation, crop yield optimisation and protection of natural resources.

The SMT01 has been designed to work in any type of soil. It has a low current consumption and an SDI-12 interface. It is ideally suited for battery or solar powered remote applications. The SMT01 has short measurement time and fast response to any fluctuation in the soil moisture level. It is easy to install and easy to calibrate. The SMT01 is a rugged, hermetically sealed design, equipped with a polyurethane protected cable.



SMT01 – soil moisture and soil sensors.



Soil probe to USB interface

Features

Whilst designed to be connected to a data recorder, the soil probe can also be read using a small Netbook type computer for instantaneous or spot readings of soil moisture and temperature. The sensor can be supplied with an interface unit (TBS03) which connects directly to the USB port of any computer. Free software is provided to allow the reading the soil probe.

- Accurate soil moisture and temperature measurement
- Fast response
- Not influenced by salinity levels
- Temperature compensated
- SDI-12 Interface
- Rugged design
- Hermetically sealed
- Operating temperature range - 20 ° C - 65 ° C
- Low power consumption
- Simple installation
- Simple calibration
- Small size (L =150 mm W=25 H= 5mm)

Target Applications

Crop yield optimisation
Precision irrigation
Landscape industry
Nursery industry
Horticultural industries

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