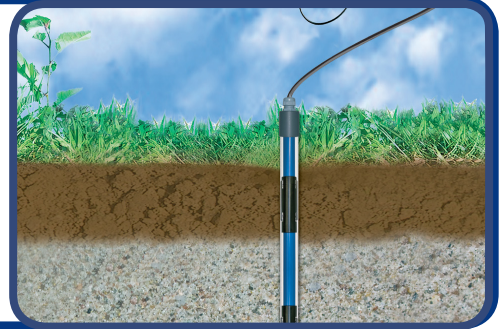




FACT SHEET

Pico Profile

New generation of TDR modular probe for accurate soil moisture measurements, given as a percentage by volume for research and profiling at different soil depths.



Fast and accurate soil moisture measurements in selected soil profiles

Advantages

- Accurate, precise soil moisture measurements
- Ideal for soil moisture research at different soil depths
- Simple and modular configuration
- Calibration curves for different soil types in each individual segment of probe
- Connects to a GlobeLog for long term storage of data or automatic transfer via a GPRS wireless modem to a PC for analysis
- Rugged and waterproof design
- Individual segments of probe can be set to a specific soil horizon
- In addition to soil moisture the probe will measure electrical conductivity (EC) of soil calculated to pore water conductivity EC_w or TDS (mg of salt per litre of water)
- Rugged and waterproof design for onsite conditions.

Specifications (per measuring segment)

Power supply:	7V..24V-DC
Power consumption:	100mA @12V/DC during 2...3 second of measuring
Moisture measuring range:	0...100% volumetric water content
Accuracy:	+/- 2%
Repeatability accuracy:	=/- 0.2%
Conductivity measuring range:	EC _w 0...>20dS/m
Measurement volume:	1 litre
Operating temperature:	-15°C...50°C, (extended temp range on request)
Calibration:	Selectable calibration curves
Probe body:	Waterproof sealed PVC (IP67)
Dimensions:	200 x 40mm
Access tube:	Tecanat 44mm, max. 3m length
Spacer between segments:	Aluminium 32mm, max. 2m length & can be cut to size
Interfaces:	IMP-BUS RS485
Cable:	1.5m to 5m cable with 7-pin female connector.