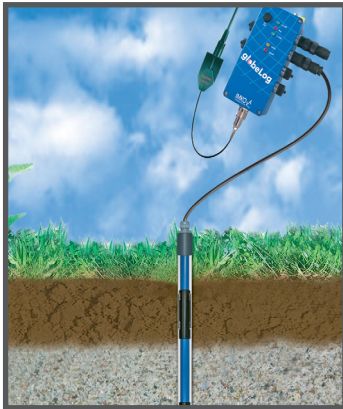


Pico Profile



Pico Profile is the 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. |