

Pico 32



Pico 32 a highly sophisticated TDR probe ideal for irrigation control systems and onsite soil moisture monitoring.

Fast and accurate moisture measurements in sandy & loamy soils

Advantages

- Very accurate TDR technology
- Integrated soil temperature sensor
- Interchangeable rods
- An ideal probe for maximum accuracy in materials with bulk electrical conductivity of up to 12dS/m.
- Burying capability for both horizontal and vertical orientation
- Measures direct 0...100% vol. soil moisture content
- Measures soil electrical conductivity.

Specifications

Power supply:	7V..24V-DC
Power consumption:	100mA @ 12V/DC during 2..3sec. of measuring
Moisture measuring range:	0..100% volumetric water content
Conductivity range:	0..6dS/m 6..12dS/m 12..50dS/m
Moisture range 0..40%:	±1% ±2% }
Moisture range 40..70%:	±2% ±3% } with material specific calibration.
Repeatability accuracy:	±0.2% ±0.3% }
Temperature drift:	±0.3%
Soil temp measuring range:	-15°C...50°C
Soil temperature measuring accuracy:	±0,2°C
Measurement volume:	0.25L, 110x50mm diameter
Operating Temperature:	-15°C...50°C (extended temperature range on request)
Calibration:	Standard calibration for most soils Customizable material specific calibration Storage of up to 15 user defined calibration curves Calibration of dielectric permittivity is possible
Probe body:	Waterproof sealed PVC (IP68)
Size:	155 x Ø32mm
Rod length:	Standard: 110mm
Rod diameter:	3.5mm
Interfaces:	IMP-BUS, RS485, Analogue output: 2x 0..1V, 0(4)..20mA, 0..100% vol. water content, -40..+70°C soil temperature.