

# Plover Portable TDR Soil Moisture Meter



Plover is a portable TDR (Time Domain Reflectometry) soil moisture meter of moisture, temperature and electrical conductivity. Minimal footprint meter equipped with a Bluetooth Low Energy, which can be easily operated by a smartphone in the field. Tiny sensors follow true TDR principle, the upper frequency of the analyzing needle pulse is about 1.5 GHz. Special designed sensor body with ultimate low heat conductivity avoid the parasite "thermal bridge" effects on distribution of soil moisture in the probe's sensor vicinity

## Technology

TDR (Time Domain Reflectometry)

## Features

Minimal footprint meter with wireless control

True TDR principle with 1.5GHz upper frequency

Measurement of soil moisture, temperature and salinity

No special maintenance means are required

Rechargeable battery and ultra-low power consumption

## Technical parameters

Specification	Sensor		
	Soil Moisture	Soil Temperature	Electrical Conductivity
Range	0 to 100 % (VWC)	-20°C~50°C	0.000 ~ 1S/m
Accuracy	±2%	±0.5°C	±10% for 0.000 ~ 1S/m
Resolution	0.1%	0.1°C	1 mS/m
Repeatability	±0.1% VWC	/	/
<b>System Operation Parameters Specifications</b>			
Power	Li-Polymer, 2500 mAh, 3.7 VDC (Rechargeable)		
Battery Life	3000 measurements or 182 days of stand-by		
Charging	>0.5 A/5 V micro USB plug charger or power bank		
Temperature	0°C to +50°C(working), -10°C to +50°C(storage)		
Time of test	> 5 sec		
Data Storage	up to 1000000 data set		
Meter Dimensions	180 x 85 x 58 mm		
Weight	200 g		
Detailed Configuration	Plover- field operated TDR meter - 1 pcs. TDR-002 TDR probe for soil moisture, temperature and electrical conductivity (salinity) - 1 pcs. Software and Use Manual file (PDF format) - 1 pcs. USB cable & Battery Charger - 1 pcs		

Manufacturer: PRI-ECO