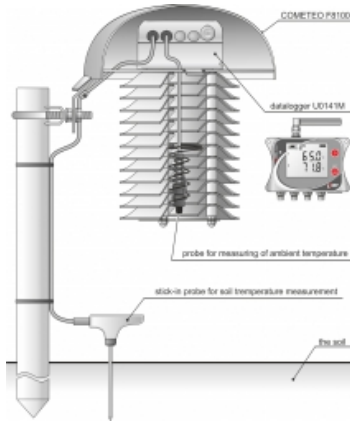


Soil temperature monitoring for agriculture - COMETEO Radiation Shield with GSM datalogger

code: KIT-F8100



Complete solution for remote monitoring of soil and ambient temperature.

MOBILE GSM Datalogger measures and records temperature of soil with stick-in probe and ambient temperature with probe placed inside of COMETEO.

COMETEO multiplate radiation shield is used to protect measuring devices and provides more accurate measurement results. The shield minimizes radiation reaching the sensor, minimizes radiation absorbed by the shield and maximizes ambient air flow around the sensor. The enlarged top plate „cap“ is 210mm in diameter and designed to provide shade for high solar angles for lower plates and also for full protection of measuring device placed underneath.

Technical data

TEMPERATURE SENSOR - external probe for ambient measurement	
Measuring range	-30 to +80 °C
Accuracy	±0.4°C
Cable length	25 cm
TEMPERATURE SENSOR - external probe for soil temperature measurement	
Measuring range	-30 to +250 °C
Accuracy	±0.4°C
Cable length	1 meter
DATALOGGER U0141M	
Memory	500,000 values in noncyclic logging mode; 350,000 values in cyclic record mode
Recording interval	adjustable from 10 s to 24 h
Power	battery SONY Lilon 5200mAh
METEOSHIELD	
Dimension	220 mm (diameter), 250 mm (height)
Weight	approx. 900 g
Material	ASA - UV stabilized, antistatic
GENERAL TECHNICAL DATA	
Operating temperature	-30 to +80 °C
Operating humidity	0 až 100 %RH
Protection class	IP67