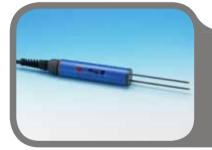


Soil temperature sensors

DLA400 is used for temperature measurement on soil surface or in the first 50 cm of depth. Pickets assure sensor stability when deeply inserted in the ground or in case of surface measurement. A ring is used to position the sensor at the required depth. A radiant screen protects the rod from the direct solar radiation. DLE041 is made of a tightly waterproof shank and can be completely buried in the soil at the required depth.

Order numb.	DLA400 (1)	DLAO41 (2)
Use	On surface or in the first 50 cm deep soil	Fill-in inside the soil: in the first 20 cm deep or buried in the soil
Common features		

Common features		
Soil temperature	Principle	Pt100 1/2 DIN B
	Measuring range	Depending by the data acquisition system
	Uncertainty	0,15°C (0°C)
	Output	Pt100 DIN-IEC 751 table (EN 60751)
	Cable	L = 10 m
	Housing	Stainless steel AISI 304
	Operative temperature	-20±+70°C
Accessories	Order numb.	
	DLA403	Radiant screen for DLA400
	DLA404	Depth setting ring for DLA400
	DLA401	Picket L = 50 mm for DPA400
	DLA402	Connection rod for DPA400



Soil moisture sensor

DQA340 is the ideal solution for the measurement of volumetric moisture in soils and other porous materials. The sensor is based on TDR technology (Time Domain Reflectometry), ensuring good accuracy even in very wet soils, and without special calibration for mineral soils. Using its rods, the sensor can be inserted in the material for 11 cm. It measures both soil moisture (0-100% range) and temperature.

Moisture Principle TDR (Time domain reflectometry) Measuring range 0÷100% volumetric moisture	
Magaziring range	
Measuring range 0÷100% volumetric moisture	
Uncertainty 0÷40%: ± 1%, 40÷70%: ± 2%	
Temperature Principle Pt100 1/2 DIN B	
Uncertainty ± 0,2°C	
General information Power supply 6÷24 Vdc	
Power consumption Sleep: 5 mA; Measuring: 120 mA	
Cable L = 5 m	
Output 2x0÷1 V	



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.

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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.