



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)

DLA041 (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

Soil temperature	<i>Principle</i>	Pt100 1/2 DIN B
	<i>Measuring range</i>	Depending by the data acquisition system
	<i>Uncertainty</i>	0,15°C (0°C)
	<i>Output</i>	Pt100 DIN-IEC 751 table (EN 60751)
	<i>Cable</i>	L = 10 m
	<i>Housing</i>	Stainless steel AISI 304
	<i>Operative temperature</i>	-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.

Order numb.

DQA340

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