



PT.RSFC.1/5 Road Surface Temperature Probe

PT.RSFC.1/5 Road / Runway Surface Temperature Probe is designed for surface ground temperature measurements.







Surface ground temperature measurements



High stable and accurate platinum sensing element



CE certified



Meets EN61000-6-4 and EN1000-6-2 EMC requirements

Measurement

Accuracy classes	PT100 1/5 DIN: $\pm 0.10\text{ }^{\circ}\text{C}$
Resolution	0.1 $^{\circ}\text{C}$
Measuring element	100 Ω , $\alpha = 0.00385$

Inputs and outputs

Communication standard	<ul style="list-style-type: none"> SDI-12 V1.3 (respond to a subset of commands) RS-485 serial port
Measurement period	from 1 s
Supply voltage	6 to 18 V DC
Consumption middle	180 mW (15 mA @12 V with RS-485 line enabled)
Consumption in sleep mode	400 μW (30 μA @12 V)

Environmental parameters

Operating temperature range	$-50\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C}$
Storage temperature range	$-50\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C}$
Operating humidity range	0 to 100 %
Protection rating	IP 68
Height	50 mm
Diameter	100 mm



ISO Quality Certified Company

All specifications are subject to change without prior notice.
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