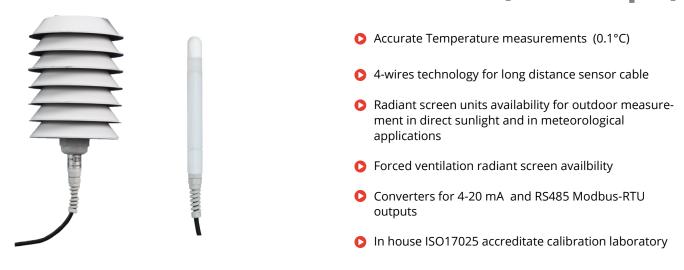
AIR TEMPERATURE



Monitoring Solutions

Air temperature sensor (Pt100 output)



Pt100 Air temperature sensor for indoor use and, coupled with a radiant screen, for meteorological applications. A 4-wire, Pt100 1/3 DIN B sensing element guarantees very good accuracy over an extended temperature range. This sensor is ideal for virtually any kind of environmental application.

Technical Specifications

Order numb.	DMA033A	DMA033.1	EST033
Connector	Free wires (4-wire)	Male connector for DWA5nn cables	Mini-Din connector
Cable	L=5 m	L=5 m	L=2 m
Data logger compatibility	M-Log (ELO008) Alpha-Log/E-Log	Using DWA5nn extension cable: M-Log (ELO008) Alpha-Log/E-Log	M-Log (ELO009) R-Log (ELR510)

Common Technical Specifications

Temperature	Principle	Pt100 1/3 DIN Class AA (Class AA EN60751)
	Туре	RTD 4 wires
	Measuring range	-5070°C
	Accuracy	0.10°C (@0°C)
	Output	Pt100 DIN-IEC 751 table (EN 60751)
	Resolution	0.01°C (A/E/M/R-Log)
	Response time (T90 air)	30 s without protective filter, 6 min with protective filter

Air temperature sensor (Pt100 output)



General Information	Protection type	IP54 (IP65 when radiant screen is used)
	Protective filter for sensitive element	Removable porous filter
	Power consumption	None
	Operative temperature	-4080°C
	Weight / Dimensions	0.44 kg / L=168 mm, Ø 18 mm
	Input type on A/E/M/R-Log	Analog

Accessories

DYA230	N.7 Luran made plates natural ventilation radiant screen. Complete with arm. Black paint on the bottom side to increase natural air cir- culation inside the screen. DYA049 collar required to fix it on the lateral side of Ø 4565 mm poles. Dimensions: H.156 mm. Diameter 124 mm. Weight: 0.67 kg
DYA233	N.7 Luran made plates natural ventilation radiant screen for DY- A046 arm. Complete with arm. Black paint on the bottom side to increase natural air circulation inside the screen. Dimensions: H.156 mm. Diameter 124 mm. Weight: 0.67 kg
DYA231	N.7 Luran made plates forced ventilation radiant screen. 12 Vdc power supply. Complete with arm. Air speed inside the screen. DYA049 collar required to fix it on the lateral side of Ø 4565 mm poles. Weight: 1 kg
DYA049	Mast-mounting device for Ø 45-65 mm pipe
SVICA0003	ISO9001 type calibration certificate
SVACA0006	ISO17025-ACCREDIA type calibration certificate

▶ LSI LASTEM is an ISO17025 accredited laboratory for temperature measurements. All sensors manufactured are tested inside our laboratory. LSI LASTEM provides Test report for any sensor and, under request, ISO17025 or ISO9001 calibration



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certificates (see Accessories list).