

Contact temperature sensor (Pt100 output)



- ▶ Robust sensor for outdoor applications even in severe environmental conditions
- ▶ 4-wires Pt100 technology for long distance cable connections
- ▶ Ideal for PV module surface temperature measurements
- ▶ Pt100 1/3 DIN B (class AA IEC60751) sensitive element for outstanding accuracy (0.1°C)
- ▶ Flat cable for cabling in narrow path (EST124)
- ▶ Accessories for 4...20 mA and RS-485 signal output
- ▶ Internal ISO17025 accredited calibration laboratory

Plate-made sensor for surface temperature measurements. Its compact dimensions facilitate installation even in small spaces. It can be easily fixed using silicon or adhesive band. Thermoconductive paste can be used to increase the heat exchange.

Technical Specifications


PN	DLE124A	DLE124A.1	EST124
Connector	Free wires (4-wire)	Male connector for DWA5nn cables	Mini-Din connector
Cable	L=20 m - Ø 5 mm	L=20 m - Ø 5 mm	L=10 m flat
Cable type	External polyurethane covering - Ø 6 mm	External polyurethane covering - Ø 6 mm	Flat ribbon cable AWG28
Use	Indoor and outdoor	Indoor and outdoor	Indoor
Data logger compatibility	E-Log, Alpha-Log	Using DWA5nn extension cable: E-Log, Alpha-Log	M-Log

Common Technical Specifications

Temperature	Principle	Pt100 Class AA IEC60751 (DIN 1/3 class B)
	Type	RTD 4 wires
	Measuring range	-100...200 °C
	Accuracy	±0.1 K @ 0 °C
	Output	Pt100 DIN-IEC 751 table (EN 60751)
	Response time (T90)	35 s

General Information	Dimension	30 x 20 mm - Thickness 2.5 mm
	Power consumption	None
	Operative temperature	Sensor plate: -100...200 °C Sensor cable: -40...80 °C
	Protection rate	IP66

Accessories

	SVICA0003	ISO9001 type calibration certificate
	SVACA0006	ISO17025-ACCREDIA type calibration certificate
	MM7500.R	Thermo conductive paste for sensor installation on surfaces
	DEA420.1	Signal amplifier for Pt100 temperature sensors Output: 4...20 mA N. inputs for Pt100 sensors: N.2 Temperature range: -20...100°C Power supply 9...30 V DC For more technical information, see MW9008 catalogue
	MDMMA1010.1	Same features as DEA420.1, but: Output: RS-485 Modbus-RTU



▶ LSI LASTEM is an ISO17025 accredited laboratory for air temperature measurements. All sensors manufactured are tested inside our laboratory. LSI LASTEM provides Test report for any sensor supplied and, on request, ISO17025 or ISO9001 calibration certificates (see Accessories list).