

## Air temperature sensor (Pt100 output)



- ▶ Accurate (0.15°C) temperature measurements using 1/3 DIN B Pt100 element
- ▶ Wide range of applications for air temperature measurements
- ▶ Converters for 4...20 mA and RS485 Modbus-RTU outputs
- ▶ In house ISO17025 accreditate calibration laboratory

Pt100 air temperature sensor for indoor use and, when coupled with a radiant screen, suitable for outdoor weather applications. A 4-wire sensing element, Pt100 1/3 DIN B, guarantees excellent precision over extended temperature ranges and cable length. This sensor is ideal for virtually any type of environmental application.

### Technical Specifications

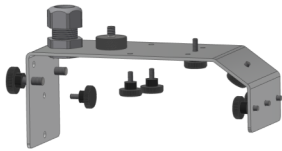


PN	DMA033A	DMA033.1	EST033
<b>Connector</b>	Free-wires (4-wires)	Cable+male connector suitable for DWA5nn extension cables	Mini-DIN connector
<b>Cable</b>	L=5 m	L=5 m	L=2 m
<b>Data logger compatibility</b>	Alpha-Log E-Log	Using DWA5nn extensión cable: Alpha-Log E-Log	M-Log

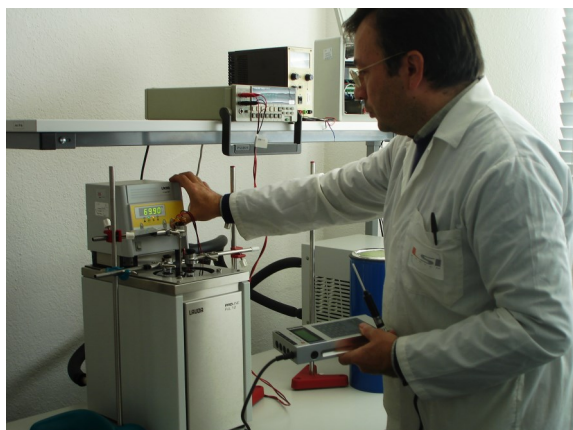
### Common Technical Specifications

<b>Temperature</b>	Principle	Pt100 Class AA IEC60751 (DIN 1/3 class B)
	Type	4-wires RTD
	Measuring range	-50...70 °C
	Accuracy	±0.1 K @ 0 °C
	Output	Pt100 DIN-IEC 751 table (EN 60751)
	Resolution	0.01 °C (Alpha/E/M-Log)
	Response time (T90 air)	30 s without protective filter, 6 min with protective filter (air flow 0.2 m/s)

<b>General Information</b>	Protection grade	IP54
	Protective filter	Porous removable filter
	Power consumption	None
	Operative temperature	-40...80 °C
	Weight / Dimensions	0.44 kg / L=168 mm Ø 18 mm
	Installation	On BVA320-315 stands for portable applications on tripod

### Accessories

	<b>SVICA0003</b>	ISO9001 type calibration certificate (Air Temperature)
	<b>SVACA0006</b>	ACCREDIA type calibration certificate (Air Temperature)
	<b>BVA320</b>	Arm for fixing sensors on BVA304 tripod or wall
	<b>BVA315</b>	Arm for fixing sensors on BVA304 tripod
	<b>DEA420.1</b>	Converter: Output: 4...20 mA. Power supply: 10...30 V AC/DC More information on MW9008 catalogue
	<b>MDMMA1010.1</b>	Same feature as DEA420.1 Output: RS485 Modbus-RTU



▶ *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 certificates (see Accessories list).*

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