



Sensors for monitoring temperature and air RH% inside materials (cable output)

Sensor for monitoring of temperature and air Relative Humidity (RH%) inside waste material or bio-filter. These sensors are used in portable or short term measurements where the material is porous and without water content. Using DME730 it is possible to use E-Log data logger placed at 10-50 m distance by DWAxXX cable. Using DME731 it is possible to use M/R-Log data logger, which is placed directly on the integrated sensor arm.

Order numb.

DME730 (1)

DME731 (2)

Order numb.	DME730 (1)	DME731 (2)
Use	Portable or short/medium term measurement	Portable or short term measurement
Cable	L = 2 m	L = 50 cm
Connector	Male connector for DWAxXX cables	Free wires (8 wires)
Data Logger compatibility	M-Log (ELO007-008), R-Log (ELR515), E-Log (all models)	M-Log (ELO007-008), R-Log (ELR515)

Common features

Temperature	<i>Principle</i>	Pt100 1/3 DIN A
	<i>Measuring range</i>	-50÷+80°C
	<i>Uncertainty</i>	0,10°C (0°C)
	<i>Output</i>	Pt100 DIN-IEC 751 table (EN 60751)
	<i>Resolution</i>	0,01°C
	<i>Response time (T90 air)</i>	5 min (air flow 0,2 m/s)
Relative humidity	<i>Principle</i>	Capacitive (Air Relative Humidity measurement)
	<i>Measuring range</i>	0÷100 RH%
	<i>Uncertainty</i>	±1,5% RH (5-95%)
	<i>Output</i>	0÷1 Vdc
	<i>Response time</i>	10 sec T63 (1 m/s air speed)
General information	<i>Protection type</i>	IP54
	<i>Power consumption</i>	None
	<i>Operative temperature</i>	-50÷+80°C
	<i>Materials</i>	Stainless steel AISI304
	<i>Input type on E/M/R-Log</i>	Analog

Accessories

Order numb.

DMA672.1	Temperature and relative humidity sensor (spare part)
DWA510	Cable L = 10 m for DME730
DWA525	Cable L = 25 m for DME730
DWA526	Cable L = 50 m for DME730



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.