

ALMEMO® MEASURING INSTRUMENTS

new!

ALMEMO® 2450-1L
compact measuring instrument,
more than 35 measuring ranges with just one
measuring input



Technical features :

- ▶ Handy display device with 1 ALMEMO® input socket and 4 channels.
- ▶ Generously dimensioned 2-row static 7 / 16 segment display including units.
- ▶ Easy and convenient to operate by means of 7 keys.
- ▶ More than 35 measuring ranges for thermocouple and NTC sensors; ready-to-use connectors are available for customer-specific thermocouple sensors (see Chapter 08), Capacitive humidity sensors, dew-point sensors, moisture detection probes, moisture in wood, FHA636MF (see Chap. 09), Pressure transducers, FDA602L/D, FD8214, FD8612, speed transducers, turbine flow meters (see Chapter 11), Split-core type transformers FEA604, voltage and current measuring modules ZA990xAB (see Chapter 12), Meteorological radiation probe head FLA613 (see Chapter 13), Carbon dioxide sensor, hand-held, FYA600CO2H, carbon monoxide probe, ozone probe (see Chapter 16), Infra-red temperature sensor FIA908CSH (see Chapter 18).
- ▶ Support for ALMEMO® connectors with multi-point calibration.
- ▶ Measuring functions : Measured value, zero-setting, saving of maximum / minimum values, hold function.
- ▶ Test functions : Segment monitoring, range monitoring, sensor breakage indication, battery voltage check and display.

Extent of the delivery

Measuring instrument ALMEMO® 2450-1L
1 measuring input for ALMEMO® sensors, LC display, 7 keys including 3 AA alkaline batteries and operating instructions including manufacturer's test certificate

Order No. MA24501L

Technical data :

Measuring input	1 ALMEMO® socket
Channels	Maximum 4 (sensor-type-specific, measuring and function channels)
A/D converter	delta-sigma, 15-bit resolution technical data see page 01.05
Measuring ranges	(see pages 01.06 / 01.07) NiCr-Ni (K), NiCroSil-NiSil(N), Fe-CuNi (L), Cu-CuNi (U), Cu-CuNi (T), PtRh10-Pt (S), NTC, Fe-CuNi (J) -200 to +950 °C Voltage -26 to +26 mV, -260 to +260mV, 0 to +2.6 V Current 0 to 32 mA, 4 to 20 mA Humidity, capacitive 0 to 100 % r. H.(%rH, HcrH, HrH) Dew point, mixture ratio, partial vapor pressure, enthalpy, digital input (0/100 %), rotating vanes, frequency, pulse, rotational speed, digital
Resolution	see pages 01.06 / 01.07
Linearization accuracy	see pages 01.06 / 01.07
Connector supply	Battery: 9 V, max. 150 mA
Outputs	none
Standard equipment	
LC display 7 segments	Measured value 5 char., 15 mm Function 4½ char., 9 mm
16 segments	Units 2 characters, 9 mm 9 symbols
Keypad	7 silicone keys
Power supply	
Battery	3 AA alkaline batteries
Current consumption	10 mA without input modules
Housing	ABS (maximum 70 °C) (LxWxH) 127 x 83 x 42 mm
Operating temperature	-10 to +60 °C
Atmospheric humidity (ambient)	10 to 90 % r. H. (non-condensing)

Option

IP54 protection (if water-proof connectors are used) OA2450W

Accessories

Top hat rail mounting		ZB2490HS
Rubberized impact protection, gray		ZB2490GS2
Magnetic fastening		ZB2490MH
Instrument case		ZB2490TK

10/2008 We reserve the right to make technical changes.