

ALMEMO® Measuring Instruments

ALMEMO® 2450-1L



**Compact ALMEMO®
measuring instrument
1 measuring input,
over 35 measuring ranges.
Runs in battery mode**

Technical data and functions

- Generously dimensioned 2-row segment display including units
- Easy and convenient to operate by means of 7 keys.
- Over 35 measuring ranges for
 - Thermocouple and NTC sensors
For the customer's own sensors ready-to-use ALMEMO® connectors are available. (see chapter 07)
 - Atmospheric humidity sensor, capacitive, dewpoint sensor, water detection probe, moisture in wood FHA636MF (see chapter 08)
 - Pressure transducer FDA602L/D, FD8214, FD8612, Tachometer, turbine flowmeter (see chapter 10)
Current clamps FEA604, Voltage / current measuring modules ZA990xAB (see chapter 11)
 - Meteorological radiation probe heads FLA613 (see chapter 12)
 - Carbon dioxide sensor FYAD00CO2, Carbon monoxide probe and ozone probe (see chapter 15),
- ALMEMO® plugs with multi-point adjustment are supported.
- 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.

Technical data

Measuring input	1 ALMEMO® socket	Resolution	(see page 01.08 / 01.09)
Precision class	C (see page 01.06)	Linearization accuracy	(see page 01.08 / 01.09)
Measuring rate	2.5 mops	Sensor power supply	9 V, maximum 0.5 A
Measuring ranges (see 01.05 / 01.06)	NiCr-Ni(K), NiCrSi-NiSi(N), Fe-CuNi(L), Cu-CuNi(U), Cu-CuNi(T), PtRh10-Pt(S), Fe-CuNi(J), NTC Voltage Current Humidity, capacitive Dew point, mixture ratio, partial vapor pressure, enthalpy, rotating vanes, digital process (0 / 100 %), frequency, pulse, rotational speed, digital	Standard equipment LCD 7 segments 16 segments Keypad Power supply Battery set Current consumption Housing ABS (max. 70 °C) Environmental conditions and general technical data see page 01.04 onwards	Measured value 5 characters, 15 mm Function 4½ characters, 9 mm Units 2 characters, 9 mm 9 symbols 7 silicone keys 3 AA alkaline batteries approx. 10 mA without input modules 127 x 83 x 42 mm (LxWxH)

Accessories

Rubberized impact protection, gray	ZB2490GS2
DIN rail mounting	ZB2490HS
Magnetic fastening	ZB2490MH
Instrument case	ZB2490TK2

Standard delivery

Batteries, operating instructions, manufacturer's test certificate	Order no.
Compact measuring instrument ALMEMO® 2450-1L	MA24501L

DAkkS or works calibration KE90xx, electrical, for measuring instrument (see chapter „Calibration certificates“).
DAkkS calibration meets all the requirements regarding test resources laid down in DIN EN ISO/IEC 17025.