

PORTABLE THERMOMETER

type EMT-300

type EMT-302



- ☐ for use with: one sensor NiCr-NiAl (K) (EMT-300)
two sensors NiCr-NiAl (K) (EMT-302)
- ☐ linearization of the sensor characteristics
- ☐ automatic compensation of thermocouple cold junction
- ☐ large LCD display
- ☐ low battery indication
- ☐ turns off after 30 minutes of inactivity

The meter with its sensor, is used for quick and accurate temperature measurements of solids, powders, liquids, vapors and gases. Battery power, small size and weight make it a portable device for measurements in hard to reach places.

TECHNICAL DATA

	EMT-300	EMT-302
Number of inputs	1 (socket MT-GK)	2 (sockets MT-GK)
Measuring range	-73 ... +1370 °C -100 ... +2498 °F	-200 ... +1360 °C -200 ... +1999 °F
Resolution	0,1 °C / 0,1 °F for $T < 2000$ 1 °F for $T \geq 2000$	0,1 °C / 0,1 °F for $T < 200$ 1 °C / 1 °F for $T \geq 200$
Accuracy ($T_A = 23 \pm 5$ °C)	0,1% $T \pm 1$ °C 0,1% $T \pm 2$ °F	0,3% $T \pm 5$ °C for $T < -93$ °C 0,3% $T \pm 1$ °C for $-93 \leq T \leq 1000$ °C 0,5% $T \pm 1$ °C for $T > 1000$ °C 0,3% $T \pm 2$ °F for $T \leq 1832$ °F 0,5% $T \pm 2$ °F for $T > 1832$ °F
(T - readed temperature value)		
Frequency of measurments	4,5 per sec.	1 per sec.
Additional functions	MAX, MIN, AVG, HOLD, OFFSET, memory of 150 measurments	MAX, MIN, AVG, HOLD, OFFSET T1 - T2, display backlight
Power supply	9V, 6 batteries AAA	
Ambient temperature T_A	0 ... 50 °C	
Dimensions / weight	150 x 72 x 35 mm / 235 g	
Additional accessories	thermocouple sensors with plug type MT-K	

ORDERING CODE

(1) (2)

EMT — /

- (1) Thermometer type
(2) Additional accessories

300 - with one input, **302** - with two inputs
ordering code for temperature sensor (sensors)

Example for order: EMT-300 / TP-101-b-630-MT-K portable thermometer equipped with disconnectable (socket and plug type MT-K) sensor of length 630 mm based on sheathed thermocouple NiCr-NiAl (K) with measuring junction galvanically insulated from the sheath and with spiral connecting cable of length 1,5 m.