

PORTABLE THERMOMETERS

TM-300 SERIES PORTABLE THERMOMETERS

TECHNICAL CHARACTERISTICS:

Display: 3 1/2^{digit} LCD with max. readings 1999
Battery: Standard 9V battery (NEDA 1604, IEC 6F22)
Battery life: 200 Hours with carbon zinc battery
Dimensions: 147mm (H) x 70mm (W) x 39mm (D)
Weight: 215g

Measurement range: -50°C to 1300°C, (-58°F to 2000°F)
Resolution: 1°C or 1°F; 0.1°C or 0.1°F

Accuracy: The accuracy table is given for 1 year of exploitation without taking into account the error of the thermocouple.

± +2°C	-50°C to 0°C
± +(0.3% rdg + 10°C)	0°C to 1000°C
±± (0.5% rdg + 10°C)	1000°C to 1300°C

Input protection: The maximum input voltage is 60V DC or 24V RMS AC.

Speed of readings: 2.5 times per second

Input connector: Standard mini-connectors for thermocouple.

Environment: Operating environment in the range from 0°C to 50°C.

Storage temperature: from -20°C to 60°C.

Permissible humidity: from 0% to 80% (for temperatures from 0°C to 35°C), from 0% to 70% (for temperatures 35°C - 50°C)



Digital thermometers	MODEL		
	TM - 305	TM - 306	TM - 307
Measurement resolution	1°C or 0.1°C	1°C	1°C or 0.1°C
Number of channels:	1	2	2
Temperature difference measurement	No	Yes	Yes

Catalog number	Model - Technical characteristics
T9-3274	TM-305 - Portable thermometer, without probe
T9-3274.1	TM-305 - Portable thermometer with standard immersion probe ∅ 3x150mm, for temperatures up to 800°C
T9-3274.2	TM-305 - Portable thermometer with standard contact probe ∅ 3x150mm, for temperatures up to 800°C
T9-3275	TM-305 - Portable thermometer, without probe
T9-3275.1	TM-305 - Portable thermometer with standard immersion probe ∅ 3x150mm, for temperatures up to 800°C
T9-3275.2	TM-305 - Portable thermometer with standard contact probe ∅ 3x150mm, for temperatures up to 800°C
T9-3276	TM-305 - Portable thermometer, without probe
T9-3276.1	TM-305 - Portable thermometer with standard immersion probe ∅ 3x150mm, for temperatures up to 800°C
T9-3276.2	TM-305 - Portable thermometer with standard contact probe ∅ 3x150mm, for temperatures up to 800°C

Note: It is possible to make probes for portable thermometers at the request of the buyer, whereby the price of the probe is formed depending on the length, diameter, etc. When forming the price, use page 13 from the Price List - price of mantle thermocouples. When pricing, consider the following:

- probe diameter (possible diameters ∅1.5; ∅ 3.0; ∅ 4.5; ∅ 6.0; ∅ 8.0);
- Probe length;
- immersion or contact probe;
- shape of the probe (straight, with bent angles...);
- length of the connecting wire;
- operating temperature;
- type of working medium for immersion probes.

