

Contents of package

The meter and operating instruction.

Maintenance and service

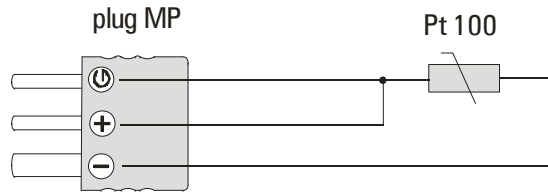
The meter does not require periodical maintenance.

In the case of a defect please contact the Commercial Department of CZAKI.

Optional equipment

We offer following temperature sensors Pt100 which suit EMT-55:

- **TP-111, TP-112, TP-113** general purpose sensors,
- **TP-131, TP-132** for measuring in semi-liquid masses,
- **TP-141, TP-142** for measuring temperature of gases
- **TP-155** for temperature measurement in carbon, peat, sawdust and biomass,
- **TP-207, TP-208, TP-209** general purpose sensors with flexible mineral insulated cables,
- others (see the catalogue).



Electric schematic of Pt100 temperature sensor with 3-pin MP connector.

CZAKI THERMO-PRODUCT

PL-05090 Raszyn-Rybie
ul.19 Kwietnia 58
tel. +48 22 7202302
fax +48 22 7202305
czaki@czaki.pl
www.czaki.pl

OPERATING INSTRUCTION TEMPERATURE METER EMT-55

Usage

The pocket meter EMT-55 is a digital instrument. It is dedicated to temperature measurement.

The toggle switch enables choosing one of two temperature ranges.

EMT-55 operates with temperature sensor **Pt100** (EN 60751 platinum resistor).

Technical data

| | | |
|-------------------------|------------------------------------|----------------------|
| Measuring range | -50...+199,9°C | -100...+800°C |
| Resolution | 0.1°C | 1°C |
| Accuracy (To 23°C ±5°C) | ±0.15% of measuring range ±1 digit | |
| Display | LCD 3½ digits | |
| Input connector 3-pin | type MP | |
| Power supply | 9VDC (battery type 6F22) | |
| Housing protection | IP30 | |
| Ambient temperature | +5...+40°C | |
| Dimensions/Weight | 131 x 58 x 30 mm / approx. 150 g | |

Description of EMT-55

Housing of the meter is made from plastic.

There is power supply switches, the range switch and the display on the front panel of the meter.

There are following notifications:

- **OFF** pushbutton for switching power supply off,
- **ON** pushbutton for switching power supply on,
- **0,1/1°C** pushbutton for toggling between two range (see the table mentioned above).

There is the input connector for Pt100 temperature sensor on the upper side of the meter.

The battery may be accessed by removing a cover on the rear side of the meter.

Operating of instrument

Insert a proper battery and connect a temperature sensor. The cable of the sensor has to have mini jack plug-in connector (as shown in the Figure). Next turn on power supply with **ON** pushbutton, and select the range of measured temperature with **0,1/1°C** pushbutton. Place the end of the sensor in the object under test. The display of the meter shows the sensor temperature in Celsius (°C).

Finally, turn off power supply with **OFF** pushbutton.

Important

The meter should not be operated if the battery is low. In this case, the message **LO BAT** is shown on the display of the meter.