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.

Quick test of meter
Shorten input terminals of the meter. The display should show actual ambient temperature.

Optional equipment
We offer following temperature sensors which suit EMT-50-K (the cable of the sensor has to have thermocouple mini plug-in connector of MT-K type):
- ***TP-101, TP-102, TP-103, TP-104*** general purpose sensors,
- ***TP-105*** general purpose sensors with interchangeable measuring insert,
- ***TP-111K, TP-112K, TP-113K*** for measuring in liquids,
- ***TP-121, TP-122, TP-125, TP-126, TP-127, TP-129*** for measuring temperature of surfaces,
- ***TP-131K, TP-132K*** for measuring in semi-liquid masses,
- ***TP-141K, TP-142K*** for measuring temperature of gases
- ***TP-201K, TP-202K, TP-203K, TP-204K, TP-205K, TP-206K*** flexible sheathed thermocouples,
- others (see the catalogue).

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OPERATING INSTRUCTION
POCKET TEMPERATURE METER
EMT–50–K

Usage
The pocket meter EMT-50-K is a digital instrument. It is dedicated to temperature measurement. The toggle switch enables choosing one of two temperature ranges. EMT-50-K operates with thermocouple temperature sensor **NiCr–Ni (K)**.

Technical data

Measuring range	**-50...+199,9°C**	**-100...+1200°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	thermocouple mini connector (female type)	
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-50-K
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 ranges (see the table mentioned above).
There is the input connector for NiCr-Ni 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 thermocouple mini plug-in connector of MT-K type. 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 massage **LO BAT** is shown on the display of the meter.