

PORTABLE DISPLAY UNITS SENSITEST 204C AND 2004C

090.11en

DESCRIPTION AND APPLICATION

The SENSITEST 204C and 2004C digital thermometers are intended in connection with temperature probes to measure temperature of solid, liquid and gaseous substances. The corresponding temperature probes are connected to the device by means of a CINCH type connector. The probes using the Ni 1000/6180 sensing element of accuracy class A can be connected to the one device. The SENSITEST 204C version is able to measure temperature with the resolution of 0,1 °C, whereas the sensitest 2004C is able to perform this function with the resolution of 1 °C.

Possible battery voltage drop is indicated by the warning notice "LO BAT". Under reduced visibility conditions the display brightness can be enhanced by pushing the "Light" pushbutton. The standard operating temperature range is determined by the type of the temperature probe used, the maximum operating temperature range is -30 to 250 °C. Using the SENSITEST 204C the maximum temperature of 199,9 °C can be displayed.

These digital thermometers are meant for operation in a chemically non-aggressive environment.

ACCESSORIES

- wall clamping

DECLARATION, CERTIFICATES, CALIBRATION

Manufacturer provides **EU Declaration of Conformity**.

Calibration – The final metrological inspection – comparison with standards or working instruments – is carried out for all the products. Continuity of the standards and working measuring instruments is ensured within the meaning of the Section 5 of Act no.505/1990 on metrology. The manufacturer offers a possibility to supply the sensors calibrated in SENSIT s.r.o.'s laboratory (according to requirements of the EN ISO/IEC 17025 standard) or in an Accredited laboratory.

SPECIFICATIONS

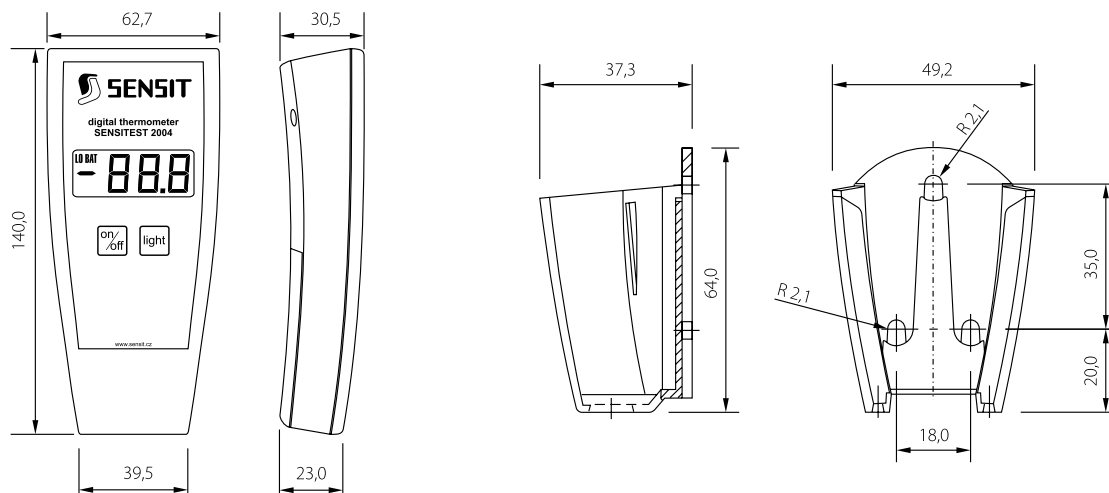
Type of device	SENSITEST 204C	SENSITEST 2004C
Resolution	0.1 °C	1 °C
Type of sensing element	Ni 1000/6180	
Measurement speed	3 measurements per second	
Maximum operating temperature range	-30 to 199.9 °C	-30 to 250 °C
Power supply	9 V battery 6F22 or NiCd cell	
Battery operation service hours	100 hours	
Portable display unit error *	0 to 100 °C ± (0.3 % of measure temperature + 1 digit) -30 to 250 °C ± (0.4 % of measure temperature + 1 digit)	
Display	3 and 1/2 digits – LCD, character height 13 mm	
Ambient temperature	0 to 50 °C	
Connector	CINCH	
Material of the case	ABS (UL94HB)	
Colour of the case	black or white	
Case dimensions	62.7 x 140 x 30.5 mm	
Ingress protection	IP 40 in accordance with EN 60529, as amended	
Weight	0.11 kg (without battery)	

*) does not include the selected temperature probe error



DIMENSIONAL DRAFT

Optional accessory: wall clamping



THERMOMETER USING

Switch on the device by the ON/OFF push button, which is located beneath the display unit. After switching the digital thermometer starts to measure the instant temperature immediately. When no temperature probe is connected, "0" is shown on the display.

The battery is located under the removable cover at the device's rear side.

Possible battery voltage drop is indicated by displaying the warning notice "LO BAT". In this case the battery 9V should be replaced.

