

# HAND-HELD CONTACTLESS THERMOMETER PYROMETER

temperature ranges -50+1450°C



## DESCRIPTION:

- ergonomic design
- laser aiming of the measured object
- emissivity-surface effectiveness in emitting energy
  - lid-up display
- advanced settings Min/Max

## APPLICATION:

- mechanical engineering
- civil engineering
- air-conditioning
- food industry
- health care

## TECHNICAL PARAMETERS:

- temperature ranges: -20+380, -20+450, -20+750, -50+380, -50+550, -50+700, -50+850, -50+1250, -50+1450°C
- dependance of the measured surface on distance from the object: 8:1, 12:1, 30:1
- adjustable functions Min/Max, Hold

## SPECIFICATION:

Contactless infrared thermometer for fast temperature measurement. Aiming is performed by means of laser ray and the measured temperature is instantly shown on the LCD display.

Battery-powered, accuracy  $\pm 2^{\circ}\text{C}$ . Optional unit of measurement  $^{\circ}\text{C}$  or  $^{\circ}\text{F}$ .

The display may be lid up, if selected. Higher models enable for emissivity settings, which ensures accurate measurement without distortion caused by surface of the measured object.

Model	Measuring range	Dependence of measured surface on objects distance
JT-200C	-50+200°C	8:1
JT-380C	-50+380°C	8:1
JT-450C	-50+450°C	8:1
JT-520C	-50+520°C	12:1
JT-650C	-50+650°C	12:1
JT-750C	-50+750°C	12:1
JT-850C	-50+850°C	12:1
JT-1250C	-50+1250°C	30:1
JT-1450C	-50+1450°C	30:1

Measure range	-50+1450°C
Accuracy	0-550°C $\pm 1,5^\circ\text{C}$ or $\pm 1,5\%$
	-50+1450°C $\pm 3^\circ\text{C}$
Scale division	0,1°C
Repeatability	1% from measured value or 1°C
Response time	500 mSec, 95% response
Spectral response	8-14 $\mu\text{m}$
Object distance	8:1, 12:1, 30:1
Operational temp.	0-40°C
Operation. humidity	10-95%RH non-condensing, up to 30°C
Storing temp.	-20+60°C
Power supply	9V alcalic or NiCd battery
Average battery life-time (alcalic)	without use of laser 22 hours
	with laser 12 hours
Weight	147,5g
Dimensions	153x101x43mm

