

Infrared thermometer



MT 400

Infrared thermometer with laser

General:

The MT 400 is small, lightweight and easy-to-use. Just aim, trigger and read the temperature from the display... and that's it. Anyone, who searches for fast and reliable temperature measurement, should take a closer look on the MT 400 infrared thermometer.

Application:

- **Electrics** – locating overheated cables and contacts
- **Heating / ventilation / air-conditioning** monitoring of heat exchanger
- **Food** – Checking the temperature of stored food

Specification:

Measuring range: -20 °C ... +343 °C

Resolution: 0.1 °C, 0.1 °F

Accuracy: (@ 18 °C ... 28 °C and < 80 % RH)

< -7 °C: ±4 °C

≥ -7 °C: ±2% of meas. value + 2 °C

Optical resolution (D:S): approx. 8:1

Response time (T₉₅): < 1 s

Spectral range: 8 - 14 μm

Emission rate: permanently set to 0.95

Sight: single laser

Working temperature: 0 ... 50 °C

Storage temperature: -20 ... 60 °C

Power supply: 9 V battery

Features: BAT, Min-/Max, Hold, °F, background illumination

Dimensions: 82 x 41,5 x 160 mm

Weight: 180 g

Scope of supply: 1 device, 1 operation manual, 1 battery

Accessories and spare parts:

GKK 252

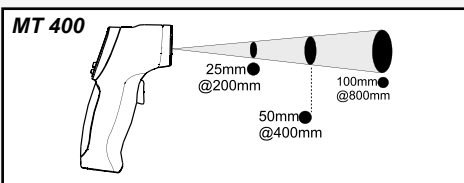
small case (235 x 185 x 48 mm) with foam lining

GKK 3100

case (275 x 229 x 83 mm) with foam lining

GB 9 V

spare battery



Infrared thermometer with precision glass optic



GIM 530 MS

Infrared thermometer with laser

General:

User-friendly industrial design combined to state of the art technology are setting a new standard in professional and all day non-contact temperature measuring.

The large temperature range of -32 to 530 °C, the targeting laser and the optical resolution of 20:1 allow very precise measuring of surfaces in a variety of applications. Simply aim at the target with the laser, push the trigger and the value is displayed within 0.3 seconds plus several other informations.

Specification:

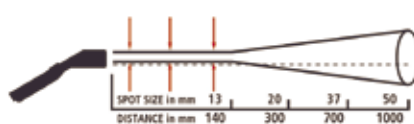
- Electrical and mechanical service and maintenance
- Heating, ventilation, air-conditioning - finding thermal bridges etc.
- Motor vehicle diagnosis, electricity, home improvement
- Checking food temperature during keeping warm or storing



Display

- current temperature value
- MIN-/MAX-value: current and last
- HIGH-/LOW-alarm
- HOLD-function
- emission rate
- symbol for display illumination and laser

optical diagram:
ratio: spot size / distance



- adjustable emission rate from 0.100 to 1.000 (for numerous materials important)
- Adjustable visible and audible alarm
- Constant measuring area in between the distance of 13 to 140 mm
- Targeting laser for exact aiming of the object to be measured
- Fast scanning of hot and cold spots within 0.3 seconds

Specification:

Measuring range: -32 ... + 530 °C (-20 ... +980 °F)

Resolution: 0.1 °C (0.1 °F)

Temperature display: °C or °F selectable

System accuracy (at ambient temperature = 23 °C ±5 °C)

±1 % or ±1 °C from 0 °C ... 530 °C (highest value shall be valid)

±1 °C ± 0.07 °C/°C from 0 °C ... -32 °C

Repeat accuracy: ±0.5 % or ±0.7 °C from 0 °C to 530 °C (highest value shall be valid)
±0.7 °C ±0.05 °C/°C from 0 °C bis -32 °C

Optical Resolution 20 : 1 (D:S):

Response time (t₉₅): 0.3 s

Spectral range: 8 - 14 μm

Emission rate: 0, 100 ... 1,000, free selectable

Laser: < 1 mW laser class IIa

Configuration: Min/Max/Scan/Hold/Offset/°C/°F

Display illumination: yes

Alarm function: optical and acoustic HIGH-/LOW- alarm

Working temperature: 0 ... 50 °C

Storage temperature: -20 ... 60 °C (without battery)

Power supply: 9 V alkaline battery

Battery service life: approx. 20 hours for use with laser and illumination

Weight / Dimensions: approx. 150 g;
190 x 38 x 45 mm (H x W x D)

Scope of supply: Device with battery, operating manual, device bag made of nylon

Accessories and spare parts:

GKK 252

small case (235 x 185 x 48 mm) with foam lining

Calibration certificate

(testpoints at +24 °C, +166 °C and +500 °C)

