

## INFRARED THERMOMETER



## MT 400

Art. no. 601438

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 food temperature during keeping warm or storing

## Specifications:

**Measuring range:** -20°C ... +343°C**Resolution:** 0.1°C, 0.1°F**Accuracy:** (at 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 (t<sub>95</sub>):** <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:** 9V battery**Features:** °F, background illumination**Dimensions:** 82 x 41,5 x 160 mm (B x T x H)**Weight:** 180 g**Scope of supply:** Device, battery, manual

## Accessories and spare parts:

**GB 9 V**

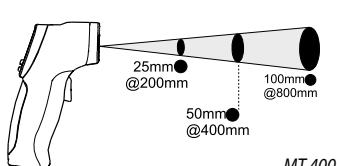
Art. no. 601115

spare battery

**GKK 3100**

Art. no. 601058

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



## INFRARED THERMOMETER WITH PRECISION GLASS OPTIC



## HIGHLIGHTS:

- 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 s



## GIM 530 MS

Art. no. 601229

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 ... +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.

## Application:

- 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

**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 0 ... 530°C (highest value shall be valid)

±1°C ±0,07°C/C 0 ... -32°C

**Repeat accuracy:** ±0.5% or ±0.7°C from 0 °C ... 530°C (highest value shall be valid)  
±0.7°C ±0.05°C/C from 0 °C ... -32°C**Optical Resolution (D:S):** 20:1**Response time (t<sub>95</sub>):** 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:** 9V alkaline battery

## Battery life:

approx. 20 hours for use with laser and illumination

## Dimensions:

190 x 38 x 45 mm (L x B x T)

## Weight:

ca. 150 g

## Scope of supply:

Device, battery, manual, device bag made of nylon

## Accessories and spare parts:

**GKK 252**

Art. no. 601056

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

**ISO-WPT**

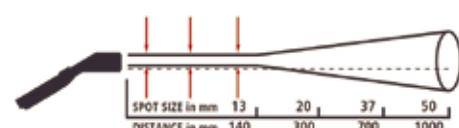
Art. no. 600888

testpoints at +23 °C, +166 °C, +500 °C



## 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