

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 (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:** °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**

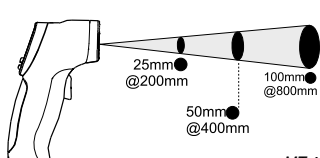
Art. no. 601115

spare battery

GKK 3100

Art. no. 601058

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



MT 400

INFRARED THERMOMETER WITH PRECISION GLASS OPTIC

**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 (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**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

**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**

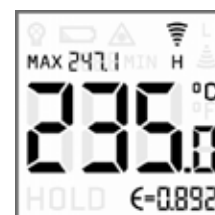
Art. no. 601056

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

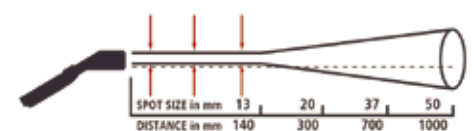
ISO-WPT

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