

INFRARED THERMOMETER



FUNCTIONS:



MT 400

Product-ID: 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:

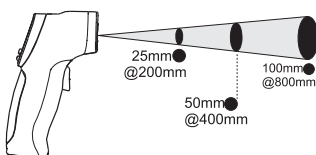
- **Electrics** – locating overheated cables and contacts
- **Heating / ventilation / air-conditioning** monitoring of heat exchanger
- **Food** – Checking food temperature during keeping warm or storing

Specifications:

Measuring range:	-20 °C ... +343 °C
Resolution:	0.1 °C, 0.1 °F
Accuracy: (@ 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
Weight:	180 g
Scope of supply:	Device, battery, manual

Accessories and spare parts:

- GB 9 V**
Product-ID: 601115
spare battery
- GKK 3100**
Product-ID: 601058
case with foam lining (275 x 229 x 83 mm)



MT 400 optical diagram:
ratio: spot size / distance

INFRARED THERMOMETER WITH PRECISION GLASS OPTIC



FUNCTIONS:



GIM 530 MS

Product-ID: 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.

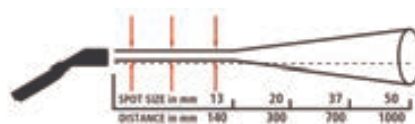
Application:

- 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



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

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

Specifications:

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 ... 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
Battery service life:	approx. 20 hours for use with laser and illumination
Dimensions:	190 x 38 x 45 mm (H x W x D)
Weight:	approx. 150 g;
Scope of supply:	Device, battery, manual, device bag made of nylon

Accessories and spare parts:

- GKK 252**
Product-ID: 601056
small case (235 x 185 x 48 mm) with foam lining
- ISO-WPT**
Product-ID: 600888
(testpoints at +24 °C, +166 °C and +500 °C)



Infrared measurement is not suitable for liquids and specular or reflective surfaces