Infrared thermometer

FUNCTIONS:

(BAT)
(HOLD)
(MIN MAX)

Infrared thermometer with precision glass optic

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(BAT)
(HOLD)
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HIGHLIGHTS:

- *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 s*

OPTICAL RESOLUTION 20:1

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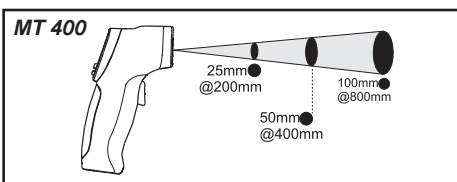
Application:
- **Electrics** – locating overheated cables and contacts
- **Heating / ventilation / air-conditioning** monitoring of heat exchanger
- **Food** – Checking food temperature during keeping warm or storing

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:	°F, background illumination
Dimensions:	82 x 41,5 x 160 mm
Weight:	180 g
Scope of supply:	Device, battery, manual

Accessories and spare parts:

GKK 252
small case (235 x 185 x 48 mm)
with foam lining

GB 9 V
spare battery

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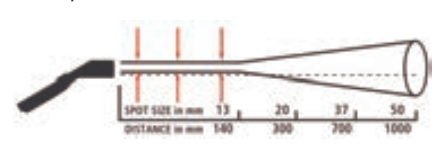
Application:
- Electrical and mechanical service and maintenance
- Heating, ventilation, air-conditioning - finding thermal bridges etc.
- Motor vehicle diagnosis, electricity, home improvement
- Checking food temperature during keeping warm or storing

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

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 ... 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
Weight / Dimensions:	approx. 150 g; 190 x 38 x 45 mm (H x W x D)
Scope of supply:	Device, battery, 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)