Low price infrared technology for non-contact and quick response surface temperature measurements from -32 up to +760°C (ST80).
For high temperature range or stationary application please refer to page 10, 75
all devices with laser pointing appliance

GIM1840-ST25 XB

GIM1840-ST60 XB, GIM1840-ST80 XB

Non-contact infrared digital thermometer (cpl. and ready for operation)

GIM 1840 - ST25 XB
GIM 1840 - ST60 XB
GIM 1840 - ST80 XB

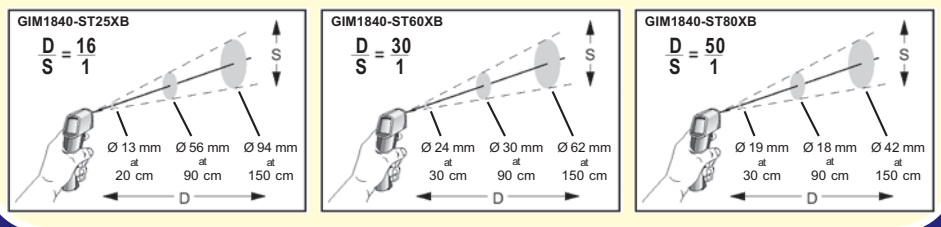
Examples for application:

- **PC board test:** super-heated components
- **Ventilation/heating/air conditioning/ civil engineering:** detection of bad insulation, leaking tubes, energy consumption, general service measurements etc.
- **Electric systems, machines, devices:** detection of hot spots at electric connections, heating up of motors, bearings, pumps, compressors etc.
- **Food processing and testing:** temperature of food, storage rooms, processes etc.
- **Medical technology, biological and chemical analyses:** quick-response non-contact temperature measurements, trouble-free operation even when handling dangerous, aggressive media
- **Industry, mechanical engineering, craft and trade:** surface measurements at rotary parts such as rollers, drums, shafts, printing machinery, plastic welding, asphalt, concrete etc.

Specification:

	ST20 XB	ST60 XB	ST80 XB
Measuring ragen:	-32 ... +535 °C	-32 ... +600 °C	-32 ... +760 °C
Resolution:	0.2°C	0.1°C	0.1°C
Temperature display:	°C or °F selectable		
Accuracy: (at ambient temperature = 23°C ±5°C)	±1% of measured value or ±1°C (at > 23°C); ±2°C (-18...23°C); ±2.5°C (-26...-18°C); ±3°C (-32...-26°C)		
Repeat accuracy:	≤ ±0.5% of measured value or ±1°C		
Response time (t_{95}):	0.5 seconds		
Rate of emission:	permanently set to 0.95	digital settings from 0.30 to 1.00	
Laser pointing appliance:	cross over double ray	single ray	single ray
Data memory:	--	12 measurings	12 measurings
Hi-/Lo-alarm:	--	buzzer	buzzer
Probe connection:	--	for Pt1000 probes (p.r.t. page 86)	
Max-value memory:	x	--	--
Max-/Min-value memory:	--	x	x
DIF/mean value:	--	x	x
Hold function:	x	x	x
Re-call of value measured last:	--	x	x
Power supply:	9V-battery type IEC 6F22 (included)		
Display illumination:	press key to switch on/off		
Working temperature:	0 ... 50 °C		
Dimensions:	approx. 160 x 55 x 205 mm	approx. 135 x 40 x 195 mm	approx. 135 x 40 x 195 mm
Weight:	approx. 360 g	approx. 320 g	approx. 320 g
Storage:	cpl. device with carrying bag and hand loop		

OPTION: Certificate of calibration upon request



When the job demands precision and accuracy

- **powerful optics**
- **highest accuracy**
- **large temperature range**
- **Laser vizor with visible measuring spot size (True Dimension)**

GIM 3090 - MX2 TD
GIM 3090 - MX4+ TD

Options:

CF Scharfpunktoptik
(order name: e.g. GIM3090 - MX4+ TD/CF)

SZ Niedrigtemperaturversion
(-50 ... +500°C, order: e.g. GIM3090 - MX2 TD/SZ)

Due to the precision optic with the laser vizor for exact localisation of the measuring spot, objects can be aimed at independently of their distance and size.
Special models allow measuring of extreme low temperatures.

Examples for application:

- **Food surveillance**
- **Electrical maintenance**
- **Process control**
- **Quality assurance**

Specification:

Meas. range: -30,0 ... +900,0°C (for "SZ": -50,0 ... +500,0°C)
Resolution: 0,1°C
Accuracy: (at ambient temperature = 23°C ±5°C) ±0.75% of range or ±0.75°C
Consistency: ±0.5% resp. ±0.5°C
Response time (t_{95}): 250ms
Rate of emission: 0,100 ... 1,000
Spectral range: 8-14µm, mit with thermopile detector
Working temperature: 0 ... 50°C
Voltage supply: 2 x 1.5V, type R6 (AA)
Weight/Dimensions: 480g; 200 x 170 x 50mm
Equipped with: min/max value memory, hi-alarm audible/visible, hold, graphic display with backlight illumination, incl. case
MX4+ additionally: 30 pre-set materials, display of difference and average, connection for mains adapter, RS232 interface incl. software, analog output 1mv/°C, storing of 100 measuring points, connection for external type K temperature probe

for add. information refer to INTERNET

Accessories:

GNG 09 - 7.5V plug-in power supply 7.5V
Certificate of calibration upon request

Size of meas. zone and distance with regard to meas. object: