



Digital thermometer (silicon sensor)  
KTY 10-6 / KTY 11-6

## GTH 87 EG - KTY10-6

-50,0 up to +150,0 °C

### Specification

**Measuring range:** -50.0 to 150.0 °C  
**Resolution:** 0.1 °C  
**Sensor:** KTY 10-6 or KTY 11-6 (please order separately)  
*Additional zero point offset possible via spindle trimmer at back side of device.*

**Accuracy (display device):** (at nominal temperature = 25°C)  
 $\leq 0.5^\circ\text{C} \pm 1$  digit (from -10 to +120°C)

**Display:** approx. 13mm high, 3½-digit, red LED-display

**Scan rate:** approx. 3 measurements / sec.

**Working temperature:** 0 to 50 °C

**Relative humidity:** 0 to 80 %RH (non-condensing)

**Storage temperature:** -20 to 70 °C

**Power supply:** 230V 50/60Hz

**Option:** 12/24/115V AC  
12/24V DC

**Housing:** standard rack-type housing, 48 x 96 x 100mm (H x W x D)

**IP rating:** front side IP54 (with optional O-rings IP65).

**Panel cutout:** 43 x 90.5 (H x W)

**Connection terminals:** screw-type/plug-in terminals,  
max. terminal range 1.5 mm<sup>2</sup>

### Noise immunity (EMC):

The GTH87EG-KTY10 is conforming to the regulations determined by the Council for the Approximation of the Legislation amongst the Member Countries concerning EMC (2004/108/EG).

The device meets EN50081-1 and EN50082-2 requirements.  
additional error: <1%

### Options (against upcharge)

**12VDC:** Power supply: 12VDC

**24VDC:** Power supply: 24VDC

**12VAC:** Power supply: 12VAC

**24VAC:** Power supply: 24VAC

**115VAC:** Power supply: 115VAC

### Accessories

**GGD 4896** additional sealing for panel mounting IP65

### Suitable sensors

**GMF 11/152** immersion probe

**GMF 21/152** injection probe

**GMF 15/152** screw-type probe

Other KTY11-6 - probes or custom-built sensors available. (p.r.t. page 111).



Digital thermometer (thermocouple)  
NiCr-Ni (type "K")

## GTH 1150 EG

-50 up to +1150 °C

### Specification

**Measuring range:** -50 to 1150 °C

**Resolution:** 1 °C

**Sensor:** NiCr-Ni (type K) (please order separately)

*Additional zero point offset possible via spindle trimmer at back side of device.*

**Accuracy (display device):** (at nominal temperature = 25°C)

< 1% ± 1 digit (from -20 to +550°C and 920 up to 1150 °C);

< 1.5% ± 1 digit (from 550 to 920 °C),

from -50 to -20° C acc. to correction table

**Display:** approx. 13mm high, 3½-digit, red LED-display

**Scan rate:** approx. 3 measurements / sec.

**Working temperature:** 0 to 50 °C

**Relative humidity:** 0 to 80 %RH (non-condensing)

**Storage temperature:** -20 to 70 °C

**Power supply:** 230V 50/60Hz

**Option:** 12/24/115V AC  
12/24V DC

**Housing:** standard rack-type housing, 48 x 96 x 100mm (H x W x D)

**IP rating:** front side IP54 (with optional O-rings IP65).

**Panel cutout:** 43 x 90.5 (H x W)

**Conn. terminals:** screw-type/plug-in terminals,  
max. terminal range 1.5 mm<sup>2</sup>

### Noise immunity (EMC):

The GTH1150EG is conforming to the regulations determined by the Council for the Approximation of the Legislation amongst the Member Countries concerning EMC (2004/108/EG). The device meets EN50081-1 and EN50082-1.

additional error: <1%

### Options (against upcharge)

**12VDC:** Power supply: 12VDC

**24VDC:** Power supply: 24VDC

**12VAC:** Power supply: 12VAC

**24VAC:** Power supply: 24VAC

**115VAC:** Power supply: 115VAC

### Accessories

**GGD 4896** additional sealing for panel mounting IP65

### Suitable sensors

Order all NiCr-Ni (type "K") - sensors without plug but with ferrule. (p.r.t. pages 103 - 107, 112, 113)

Custom-built sensors available. (p.r.t. pages 108 and 110).