



Panel Instrument for Temperature



Digital thermometer
for silicon sensors KTY 83

GTH 83 EG without sensor

-50,0 up to +150,0 °C

Specification

Measuring range: -50.0 to 150.0 °C

Resolution: 0.1 °C

Sensor: KTY 83-110 (please order separately),
Additional zero point offset possible via spindle trimmer at back side of device.

Accuracy (display device): (at nominal temperature = 25°C)
≤0.5°C ±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 mm²

Noise immunity (EMC):

The GTH83EG 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 11/180 immersion probe

GMF 30/180 immersion, air probe

GMF 15/180 screw-type probe

Other probes or custom-built sensors available. (p.r.t. page 128).



Digital thermometer
for thermocouples NiCr-Ni (type "K")

GTH 1150 EG without sensor

-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 mm²

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 123 - 127, 132 - 133)

Custom-built sensors available. (p.r.t. pages 130 and 131).