

## GFX 460 Series **Electronic Contact Thermometers**



GFX 460



GFX 460 G



GFX 460 B

### General Technical Specifications

Measurement range	-50 °C ... +300 °C (-58 °F ... +572 °F)
Resolution	1 °C
Measurement accuracy	±1 °C
Measurement interval	1 sec
Operating temperature	-5 °C ... +60 °C
Storage temperature	-30 °C ... +70 °C
Regulation	Fuzzy regulation
Security features	<ul style="list-style-type: none"> <li>• Identification of probe breakage</li> <li>• Identification of probe access</li> <li>• Security and regulation cycle according to DIN 12878 class 1 / 2</li> </ul>
Access	DIN 45322 Diode plug, 5-pole
Other options	Green display background lighting
Protection class	IP65

## GFX 460 **Electronic Contact Thermometer** with fixed stainless steel Pt 1000 probe



- Fuzzy control
- Control loop according to DIN EN 12878 class 1 and 2
- Green display background light

### Technical Data

Probe	Pt 1000, permanently attached
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Type	Description	Part No.
GFX 460	Electronic contact thermometer with fixed stainless steel Pt 1000 probe, L = 205 mm, Ø 3 mm, cable length 70 cm	1340-5460A

## GFX 460 G Electronic Contact Thermometer with fixed glass-coated Pt 1000 probe



- Fuzzy control
- Control loop according to DIN EN 12878 class 1 and 2
- Green display background light

### Technical Data

Probe	Pt 1000, glass-coated, permanently attached
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Type	Description	Part No.
GFX 460 G	Electronic contact thermometer with glass coated probe, L = 235 mm, Ø 7 mm, cable length 70 cm	1340-5462A

## GFX 460 B Electronic Contact Thermometer for replaceable Pt 100 probes



- Fuzzy control
- Control loop according to DIN EN 12878 class 1 and 2
- Green display background light

### Technical Data

Probe	Pt 100, replaceable, see next page
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Type	Description	Part No.
GFX 460 B	Electronic contact thermometer without probe	1340-5464A

## Accessories for GFX 460 Series



AG 151 Stand adapter



AX 110 Extension cable for GFX 460 B only



AX 400 Relay box

Type	Description	Part No.
AG 151	Stand bracket	1340-5001
AX 110	Extension cable for GFX 460 B, silicone cable, L = 1 m	1340-5020
AX 400	Relay box	1340-0157

## External Probes for GFX 460 B

### Pt 100, 4 conductors class A, Lemo size 1

**TPX 130** blunt probe  
(Needle length = 200 mm,  
Ø 3 mm, stainless steel needle,  
up to +400 °C)



GFX 460 B + TPX 130

**TPX 230** pointed probe  
(Needle length = 200 mm,  
Ø 3 mm, stainless steel needle,  
up to +400 °C)



GFX 460 B + TPX 230

**TPX 330** blunt, glass coated  
probe  
(Needle length = 190 mm,  
Ø 8 mm, stainless steel needle,  
up to +400 °C)



GFX 460 B + TPX 330



#### Technical Data

Accuracy Pt 100, 4 conductors class A, size 1

Type	Description	Part No.
TPX 130	Blunt probe, needle length = 200 mm, Ø 3 mm	1341-5437
TPX 230	Pointed probe, needle length = 200 mm, Ø 3 mm	1341-5438
TPX 330	Blunt, glass coated probe, needle length = 190 mm, Ø 8 mm	1341-5439

## TFN-520/530 Series 1-/2-Channel-Thermometers



#### General Technical Specifications

Measurement range type K	-200 °C ... +1,200 °C (-328 °F ... +2,192 °F)
Measurement range type J	-100 °C ... +800 °C (-148 °F ... +1472 °F)
Measurement range type T	-100 °C ... +300 °C (-148 °F ... +572 °F)
Measurement range type E	-100 °C ... +600 °C (-148 °F ... +1,112 °F)
Accuracy at +25 °C, type K	±0.3 °C (-99.9 °C ... +250 °C)
Accuracy at +25 °C, type J	±0.3 °C (-50 °C ... +190 °C)
Accuracy at +25 °C, type T	±0.3 °C (-50 °C ... +220 °C)
Accuracy at +25 °C, type E	±0.3 °C (-50 °C ... +150 °C) ±0.5 % for the remaining measurement range
Resolution type K	0.1 °C (-99.9 °C ... +250 °C), 1 °C for the remaining measurement range
Resolution type J	0.1 °C (-99.9 °C ... +190 °C), 1 °C for the remaining measurement range
Resolution type T	0.1 °C (-99.9 °C ... +220 °C), 1 °C for the remaining measurement range
Resolution type E	0.1 °C (-99.9 °C ... +150 °C), 1 °C for the remaining measurement range
Operating temperature	-5 °C ... +50 °C
Storage temperature	-25 °C ... +60 °C
Sampling rate	0.5 sec to 15 sec
Sensor	External; Thermocouple type K, J, T, E
Battery	Lithium, 3V CR 2477
Battery lifetime	5 years
Dimensions (l x w x h)	115 x 54 x 22 mm
Weight	Approximately 90 g
Housing material	ABS
Factory calibration certificate	-100 °C, 0 °C, +200 °C and +1,000 °C