

Pt 100 Precision Thermometer

TFX 430



TFX 430

TFX 430 set

Technical Data

Type	TFX 430
Measurement range	-100 °C ... +500 °C
Measurement accuracy	0.05 °C (-100 °C ... +200 °C) ±0.2 ° for the rest of the measurement range
Resolution	0.02 °C (-50.00 °C ... +99.98 °C) 0.1 °C for the remaining measurement range
Operating temperature	-20 °C ... +50 °C
Storage temperature	-30 °C ... +70 °C
Sensor	Pt 100
Sampling rate	1 sec to 15 sec
Battery	Lithium battery 3 V / 1 Ah, Type CR 2477
Battery lifetime	Approximately 5 years
Deactivation	Automatic after 2 hours, deactivatable
Dimensions (L x W x H)	109 x 54 x 22 mm
Housing material	ABS
Protection class	IP 67
Weight	Approximately 90 g



Applications

- | | | |
|--|--|---|
| <ul style="list-style-type: none"> • Laboratory • Temperature monitoring | <ul style="list-style-type: none"> • Measurement of air, fluids, plastic materials, aggressive mediums and surfaces | <ul style="list-style-type: none"> • Reference thermometer • Process monitoring |
|--|--|---|

Attributes

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|---|---|---|
| <ul style="list-style-type: none"> • Pt 100 • High accuracy | <ul style="list-style-type: none"> • Waterproof IP 67 • Approx. 5 years battery lifetime • Replaceable battery | <ul style="list-style-type: none"> • Factory calibration certificate • Exchangeable probes for different applications |
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Description	Type	Part No.
Thermometer Pt 100 (without probe)	TFX 430	1340-5430
Thermometer Pt 100 with probe (L = 130 mm, Ø 3 mm, blunt)	TFX 430 + TPX 130	1340-5437
Thermometer Pt 100 with probe (L = 130 mm, Ø 3 mm, pointed)	TFX 430 + TPX 230	1340-5438
Thermometer Pt 100 with probe (L = 190 mm, Ø 8 mm, glazed)	TFX 430 + TPX 330	1340-5439
TFX set (Thermometer TFX 430, blunt probe TPX 130, extension cable AX 110, DAkS calibration, Aluminum case AG130)	TFX 430 set	1340-5432

Comments

See page 25 for spare probes and accessories.

Alternate probes and accessories for TFX 430

Alternate probes for TFX 430

TPX 130: Probe blunt



- Blunt probe
- Tube: stainless steel, up to +400 °C
- Accuracy: Pt 100, 4 conductors class A, size 1
- Probe: L = 200 mm, Ø 3 mm

TPX 230: Probe pointed



- Pointed probe
- Tube: stainless steel, up to +400 °C
- Accuracy: Pt 100, 4 conductors class A, size 1
- Probe: L = 200 mm, Ø 3 mm

TPX 330: Probe glazed



- Glass coated probe
- Tube: stainless steel, up to +400 °C
- Accuracy: Pt 100, 4 conductors class A, size 1
- Probe: L = 190 mm, Ø 8 mm

Accessories



AX 110

- Extension cable for TFX 430*



AG 150

- Plastic bracket suitable for 10 mm and 12 mm lamus tripods



AG 120

- Artificial leather case

Description	Type	Part No.
Blunt Probe, NL 130 mm, Ø 3 mm	TPX 130	1341-5437
Pointed probe, NL 130 mm, Ø 3 mm	TPX 230	1341-5438
Glass coated probe, NL 190 mm, Ø 8 mm	TPX 330	1341-5439
Extension cable for TFX 430 (1 m silicone) *	AX 110	1340-5020
Plastic case	AG 120	1341-0619
Transport case	AG 130	1341-3854
Plastic bracket	AG 150	1340-5000
Protective cover, red	AG 140	1340-5005

* other cable lengths on request