

A high utility item combining elegant design with ease of use.

X(per) P(rofessional) Series

XP100

- TFT LCD , anti-glare colour display
- Capacitive touch screen
- Sampling rate 1s
- Data recording
- Graphical analysis including standard deviation
- Integrated flash memory with space for up to 200 data blocks, or up to three hours continuous recording
- USB port for data transfer to Smartgraph 3 (included in delivery)
- Multilingual interface
- Online firmware update



Hand-held measuring device XP100 for measuring temperature (-200...+800°C)

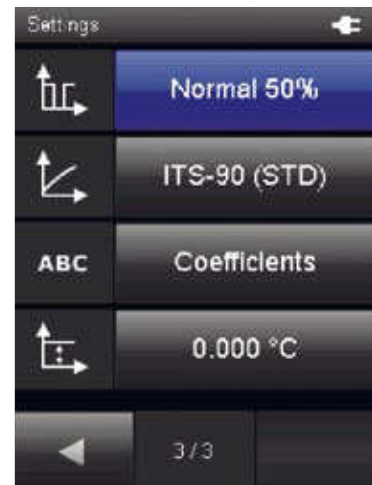


High-precision hand-held device for PT100 temperature sensors. Suitable for measuring tasks requiring a high degree of precision. Mini USB port with software and online data collection. 25 languages available, is 0.01°C across the full measuring range. Solely for use with PT100 sensors.

Hand-held device XP100		Order No.
Very exact temperature measuring device (+/-0.01C). Ideal as a reference device and for comparison measurements in service or as part of ISO9000 tasks. We recommend a DAkkS calibration certificate for traceability to international standards.		5810.00
Technical data	Dimensions	170x62x34 mm
	Weight	Approx. 205g
Storage conditions	Permitted ambient temperature	-20...60°C
	Permitted rel. humidity	<90%RH non-condensing
Operating conditions	Permitted rel. humidity	<90%RH non-condensing
Power supply	Power supply	4 Alkaline LR6 AA 1.5V / USB 5V
	Active power consumption	Approx. 400mW
	Battery life passive	Approx. 1 year
	Battery life active	Min. 24 hours
Data storage	Integrated data storage	Up to 200 data/approx. 1 Mio measured values
Interface	USB	Cable and SmartGraph3 software included in delivery
Representation	Definition of measured values	3 decimal places
Display	Control	Touch screen, capacitive
	Technology	TFT, resolution 240x320, 65k colours, very good contrast, suitable for sunlight
	Surface, toughened glass	Degree of hardness: 7, scratch-resistant
Accessories	Connecting cable for external sensors, 2m	8120.KAB2
	Connecting cable for external sensors, 10m	8120.KAB10
	Power supply adapter	8120.NT

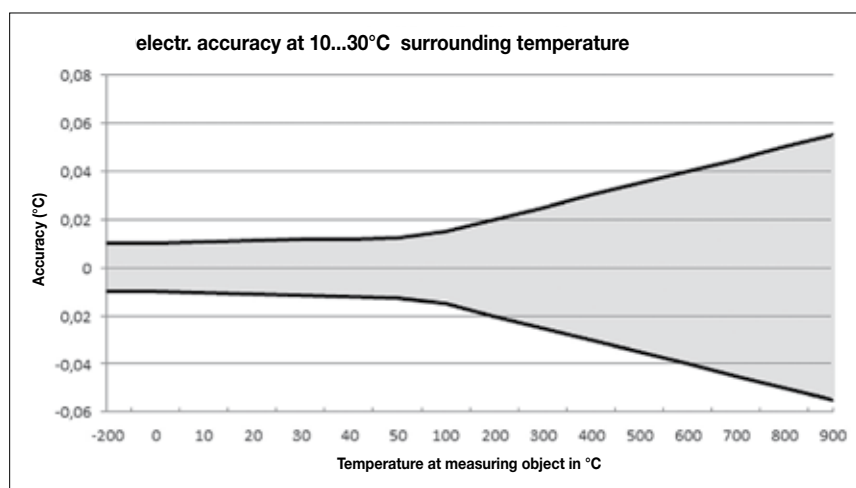


Measurement recording



Selection measuring menu

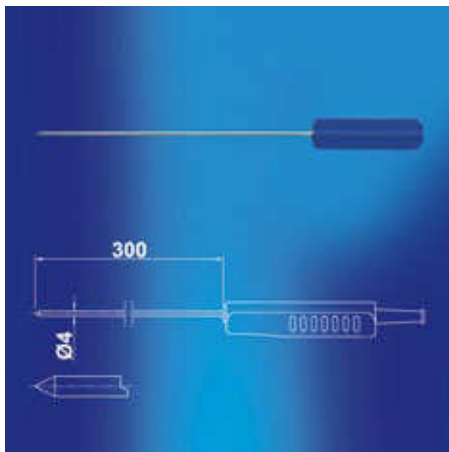
Compatible sensors for XP100		Page
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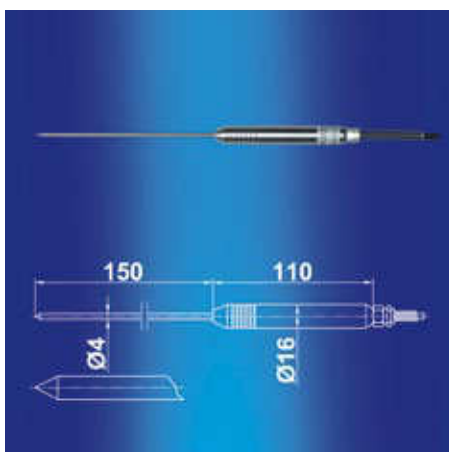
PT100 immersion probe



PT100 immersion probe			Order No.
The immersion probe is suitable for measurements in gaseous media, liquids and granular material, such as sand.			
Technical data	Dimensions, probe, short	150x3 mm	3120.520
	Dimensions, probe, long	300x3 mm	3120.530
Temperature	Dimensions, housing	119x27/35 mm	
	Weight	100g/120g	
	Protective housing	IP40	
	Max. permitted operating temperature	PUR cable and handle can be used up to 80°C	
	Storage temperature	-40 °C...60 °C	
	Measurement range	-40 ... 400 °C	
	Accuracy	±0.15 + 0.002 x t	
Compatibility	Measuring technique	4 wire sensing	
	Reaction time	10s	
Accessories	Extension cable for sensor, 2m		8120.KAB2



PT100 (immersion) probe, long			Order No.
This high-precision immersion probe in stainless steel protective housing can also be used as a reference sensor for calibration and testing systems.			3120.540
Technical data	Dimensions, probe	300x4 mm	
	Dimensions, housing	119x27/35 mm	
	Weight	120g	
	Protective housing	IP40	
	Max. permitted operating temperature	PUR cable and handle can be used up to 80°C	
Temperature	Measurement range	-40 ... 400 °C	
	Accuracy	±0.03 + 0.005 x t	
	Measuring technique	Four terminal sensing	
	Reaction time	10s	
Compatibility	XP100		
Accessories	Extension cable for sensor, 2m		8120.KAB2

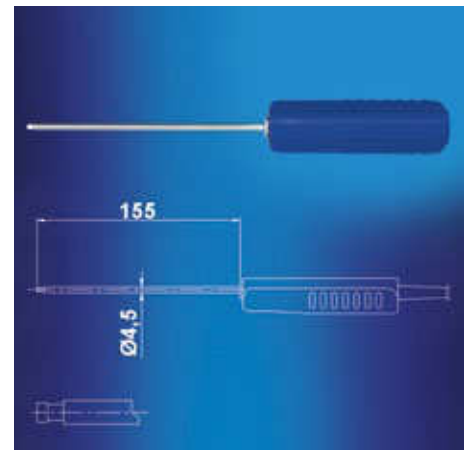


PT100 stainless steel food probe			Order No.
Food probe in stainless steel protective casing for precise temperature measurements (PT100 1/10 class B).			3120.550
Technical data	Dimensions, probe	150x4 mm	
	Dimensions, housing	110x16 mm	
	Weight	220g	
	Protective housing	IP65	
	Max. permitted operating temperature	PUR cable and handle can be used up to 80°C	
	Lagertemperatur	-40 °C...60 °C	
Temperature	Measurement range	-40 ... 400 °C	
	Accuracy	±0.03 + 0.005 x t	
	Measuring technique	Four terminal sensing	
	Reaction time	10s	
Compatibility	XP100		
	Cable length	Approx. 1m	

PT100 surface probe



PT100 surface probe		Order No.
At the head of the surface temperature probe is a spring-loaded sensor which takes the temperature. Can be used on flat, matt and metallic surfaces		3120.600
Technical data	Dimensions, probe	150x4,5mm
	Dimensions, housing	119x27/35mm
	Weight	120g
	Protective housing	IP30
	Max. permitted operating temperature	PUR cable and handle can be used up to 80°C
Temperature	Measurement range	-50 ... 400 °C
	Accuracy	±0.3 + 0.005 x t
	Reaction time t90	Approx. 30s
	Measuring technique	Four terminal sensing
Compatibility	XP100	
Accessories	Extension cable for sensor, 2m	8120.KAB2



Immersion probe		Order No.
Accuracy with PT100 1/10 DIN 8 (0.05C) in stainless steel protective casing, mineralized sleeve.		3120.560
Technical data	Dimensions, probe	150x4 mm
	Dimensions, housing	119x27/35mm
	Weight	120g
	Protective housing	IP40
	Max. permitted operating temperature	PUR cable and handle can be used up to 80°C
	Storage temperature	-40 ... 60 °C
Temperature	Measurement range	-40 ... 400 °C
	Accuracy	0.05 °C at 0 °C
	Reaction time	10s
	Measuring technique	4 wire sensing
Compatibility	XP100	
Accessories	Extension cable for sensor, 2m	8120.KAB2

