X(pert) 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)
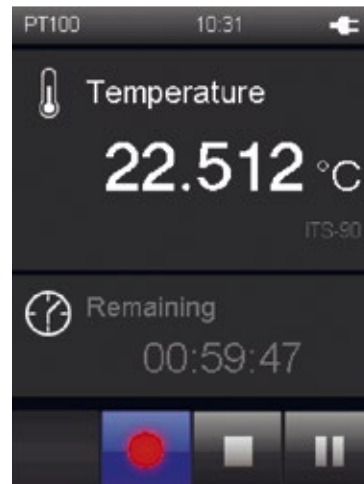- Multilingual interface
- Online firmware update

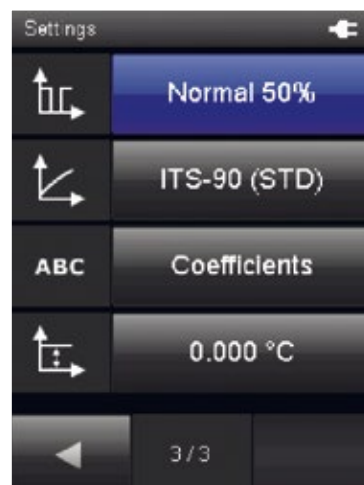# Hand-held measuring device XP100 for measuring temperature (-200…+800°C)

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, accuracy 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	170 x 62 x 34 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	
Resolution	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	Extension and/or connecting cable for digital sensor, 2m		**8120.KAB2**
	Extension and/or connecting cable for digital sensor, 10m		**8120.KAB10**
	Power supply adapter		**8120.NT**
	Connector for third-party sensors		**3120.50**

Measurement recording

Selection measuring menu

Compatible sensors for XP100		Page
Temperature	PT100 surface probe	23
	PT100 probe/ immersion probe (long)	22
	PT100 food probe, stainless steel	22
	Immersion probe 300x4mm	22

electr. accuracy at 10...30°C surrounding temperature