

Genuine glass surface with high resolution colour display

## X(pert) P(rofessional) Series XP200



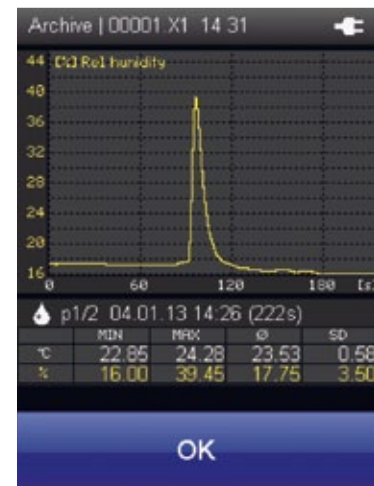
- TFT LCD, anti-glare colour display
- Capacitive touch screen
- Sampling rate 1s
- Data recording simultaneously on up to 3 channels
- Graphical analysis including standard deviation
- Integrated flash memory with space for up to 200 data blocks, or up to three hours continuous recording
- USB port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

# Hand-held measuring device XP200 for measuring temperature and humidity



X-perte range for humidity and temperature measurements in climate and environmental technology.

Hand-held measuring device XP200		Order No.
<b>Temperature and humidity measuring device compatible with various intelligent sensors.</b>		<b>5820.00</b>
<b>Technical data</b>	Dimensions	170x62x34 mm
	Weight	ca. 205g
<b>Storage conditions</b>	Permitted ambient temperature	-20...+60°C
	Permitted rel. humidity	<90%r.h. non-condensing
<b>Operating conditions</b>	Permitted rel. humidity	<90%r.h. (20g/m <sup>3</sup> ) non-condensing
	Permitted altitude above sea level	4,000m
<b>Power supply</b>	Power supply	4 Alkaline LR6 AA/NiMH 1.5...1.2V/USB 5V
	Active power consumption	Approx. 400mW
	Battery life passive	Approx. 1 year
	Battery life active	min. 24 hours
<b>Data storage</b>	Sensor power supply	5.5V ± 10% DC, max. 200mA
	Integrated data storage	up to 200 data/approx. 1 Mio measured values
<b>Interface</b>	USB	Cable and SmartGraph3 software included in delivery
<b>Representation</b>	Definition of measured values	2 decimal places
<b>Display</b>	Control	Touch screen, capacitive
	Technology	TFT, resolution 240x320, 65k colours, very good contrast due to Piezoresistive technology
<b>Calculated measurement categories for external temperature/humidity sensors</b>	Surface, toughened glass	Degree of hardness: 7, scratch-resistant
	Mathematical: MIN/MAX/AVG/HOLD	
	Temperature (°C/°F)	
	Rel. humidity (%r.h)	
	Rel. humidity of ice (%r.h)	
	Water vapour density (absolute humidity) g/m <sup>3</sup>	
	Dew point temperature °C/°F	
	Frost point temperature °C/°F	
	Mixing ratio at saturation (100%) g/kg	
	Volume fraction of water vapour /mass fraction of water vapour (%)	
	Wet-bulb temperature °C/°F	
	Ice-bulb temperature °C/°F	
	Specific Enthalpy (mass of air) kJ/kg	
	Saturation vapour pressure above ice/water (hPa)	
	Water vapour particle pressure (hPa)	
Air density kg/m <sup>3</sup>		



Compatible sensors for XP200		Page
<b>Temperature/humidity</b>	digital TFF20	18
	Allround SDI	18
	4 mm diameter SDI	19
	High temperature SDI	19
	Sintered stainless steel filter	20