

Genuine glass surface with high resolution colour display

X(per) P(rofessional) Series XP200/XP201



- 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/ XP201 for measuring temperature and humidity



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

Hand-held measuring device XP200		Order No.
Temperature and humidity measuring device compatible with various intelligent sensors.		5820.00
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 (20g/m ³) non-condensing
	Permitted altitude above sea level	4000m
	Power supply	Power supply
	Active power consumption	Approx. 400mW
	Battery life passive	Approx. 1 year
	Battery life active	Min. 24 hours
	Sensor power supply	5.5V ± 10% DC, max. 200mA
Data storage	Integrated data storage	Up to 200 data/approx. 1 Mio measured values
Interface	USB	Cable and SmartGraph3 software included
Resolution	Definition of measured values	2 decimal places
Display	Control	Touch screen, capacitive
	Technology	TFT, resolution 240x320, 65k colours, very good contrast due to Piezoresistive technology
	Surface, toughened glass	Degree of hardness: 7, scratch-resistant
Integrated air pressure sensor	Measuring range (full accuracy)	800...1,100mbar
	Accuracy at 25°C, 1013.25mbar	0.5mbar
	Long-term stability	typ. - 1mbar/year
	Measurement resolution	0.024mbar
	Measuring principle	Piezoresistive
Calculated measurement categories for external temperature/humidity sensors	Mathematical:	MIN/MAX/AVG/HOLD
	Temperature (°C/°F)	
	Rel. humidity (% RH)	
	Rel. humidity of ice (% RH)	
	Water vapour density (absolute humidity) g/m ³	
	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 ³	
Accessories	Extension and/or connecting cable for digital sensor, 2m	8120.KAB2
	Extension and/or connecting cable for digital sensor, 10m	8120.KAB10



XP201 Order No. 5810.20
High quality wooden case and
High-precision Temperature/Humidity Sensor
Order No.8130.TFF from page 26
are included in delivery.

Compatible sensors for XP200		Page
Temperature/humidity	Digital TFF20	24
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	Allround SDI	24
	5 mm diameter SDI	25
	High temperature SDI	25
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