Genuine glass surface with high resolution colour display

X(pert) 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	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 (20g/m^3) non-condensing	
	Permitted altitude above sea level	4000m	
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	
	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 Watertight case and High-precision Temperature/Humidity Sensor Order No 8130.TFF included in delivery.

Compatible sensors for XP200		Page
Temperature/ humidity	Digital TFF20	24
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