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
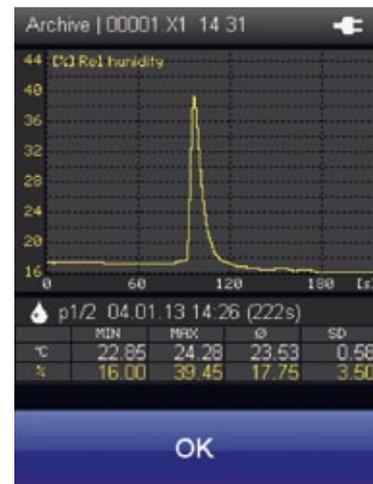- Online firmware update

Hand-held measuring device XP200 for measuring temperature and humidity

X-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/m³) 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	
Representation	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	
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/m³		
	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/m³		
Accessories	Connecting cable for external sensors, 2m		8120.KAB2
	Connecting cable for external sensors, 10m		8120.KAB10

Compatible sensors for XP200		Page
Temperature/ humidity	digital TFF20	20
	Allround SDI	20
	4 mm diameter SDI	21
	High temperature SDI	21
	Sintered stainless steel filter	22

More Information Lufft X-Series

www.lufft-xseries.com