

Flow measurements with time chart on a high resolution display

## X(per) P(rofessional) Series

# XP400



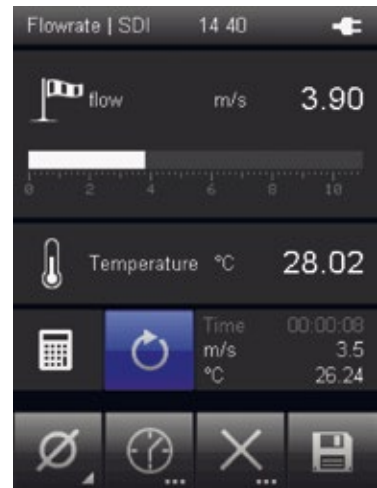
- TFT LCD, anti-glare colour display
- Capacitive touch screen
- Sampling rate 1s
- Data recording simultaneously on up to 3 channels
- Graphical analysis including standard deviation
- Integrated flash memory with space for up to 200 data blocks, or up to three hours continuous recording
- USB port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

# Hand-held measuring device XP400 for measuring airflow



Ideal for volume measurements, air intake and air discharge measurements in climate measuring technology. Data memory and software.

Hand-held measuring device XP400			Order No.
<b>The X-pert for precise airflow measurements on various measurement ranges.</b>			<b>5840.00</b>
<b>Technical data</b>	Dimensions	170 x 62 x 34 mm	
	Weight	Approx. 205g	
<b>Storage conditions</b>	Permitted ambient temperature	-20...60°C	
	Permitted rel. humidity	<90% RH non-condensing	
<b>Operating conditions</b>	Permitted rel. humidity	<90% RH (20g/m <sup>3</sup> ) non-condensing	
	Permitted altitude above sea level	4000m	
	<b>Power supply</b>		
	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	
<b>Data storage</b>	Integrated data storage	Up to 200 data/approx. 1 Mio measured values	
<b>Interface</b>	USB	Cable and SmartGraph3 software included in delivery	
<b>Resolution</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	
	Surface, toughened glass	Degree of hardness: 7, scratch-resistant	
<b>Integrated air pressure sensor</b>	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	
<b>Calculated measurement categories for external airflow sensors</b>	Operating airflow volume - various units: (m <sup>3</sup> /s) (m <sup>3</sup> /h) (l/min)		
	Standard airflow volume: DIN 1343 (°C, 1013,25hPa), ISO 2533 (15°C, 1013,25hPa), DIN 1945 (20°C, 1013,25hPa)		
	Various units: (m <sup>3</sup> /s), (m <sup>3</sup> /min), (m <sup>3</sup> /h), (l/min)		
<b>Accessories</b>	Extension and/or connecting cable for digital sensor, 2m	<b>8120.KAB2</b>	
	Extension and/or connecting cable for digital sensor, 10m	<b>8120.KAB10</b>	



Compatible sensors for XP400		Page
<b>Flow/</b>	SDI (0...2m/s)	27
<b>Temperature</b>	SDI (0...20m/s)	27



More Information Lufft X-Series  
[www.lufft-xseries.com](http://www.lufft-xseries.com)