

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>
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	
Data storage	Sensor power supply	5.5V ± 10% DC, max. 200mA	
	Integrated data storage	Up to 200 data/approx. 1 Mio measured values	
Interface	USB	Cable and SmartGraph3 software included in delivery	
Resolution	Definition of measured values	2 decimal places	
Display	Control Technology	Touch screen, capacitive	
	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 airflow sensors	Operating airflow volume - various units: (m³/s) (m³/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: (m³/s), (m³/min), (m³/h), (l/min)		
Accessories	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
Flow/	SDI (0...2m/s)	27
Temperature	SDI (0...20m/s)	27

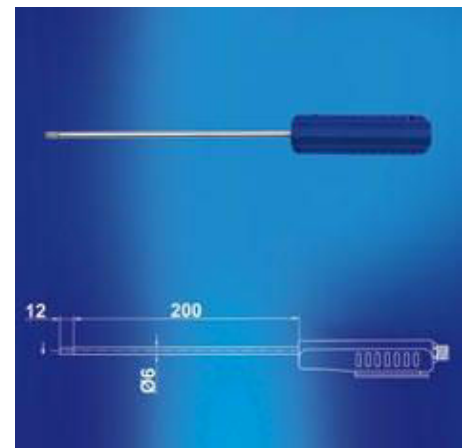


More Information Lufft X-Series  
[www.lufft-xseries.com](http://www.lufft-xseries.com)

# SDI Airflow-/Temperature Sensor (0...2m/s) (0...20m/s)



SDI Airflow-/Temperature Sensor (0...2m/s)			Order No.
<b>Reference device for airflow and temperature measurements in service and maintenance. Proof of air tightness of buildings and rooms.</b>			<b>6120.510</b>
<b>Technical data</b>	Dimensions sensor tube	Length 200mm, Ø 6mm	
	Dimensions housing	117x38mm	
	Weight	Approx. 200g	
	Protection	Housing: plastic (ABS) IP40 sensor head: stainless steel	
	Permitted operation temp.	0...50°C	
	Permitted humidity	0...95% RH	
	Storage temperature	-20...60°C	
	Storage humidity	20...80% RH	
<b>Airflow</b>	Measurement range	0...2m/s	
	Accuracy	±(0.08m/s + 1% of measured value)	
	Resolution	0.01 m/s	
	Principle	Hot film anemometer	
<b>Temperature</b>	Measurement range	-20...70°C	
	Accuracy	±0.7°C in the range 0...+50°C	
	Resolution	0.1°C	
	Principle	NTC	
<b>Compatibility</b>	XA1000		
<b>Accessories</b>	Extension and/or connecting cable for digital sensor, 2m		<b>8120.KAB2</b>



SDI Airflow-/Temperature Sensor (0...20m/s)			Order No.
<b>Application: airflow and temperature measurements in climate measurement technology</b>			<b>6120.520</b>
<b>Technical data</b>	Dimensions sensor tube	Length 200mm, Ø 6mm	
	Dimensions housing	117x38mm	
	Weight	Approx. 200g	
	Protection	Housing: plastic (ABS) IP40 sensor head: stainless steel	
	Permitted operation temp.	0...50°C	
	Permitted humidity	0...95% RH	
	Storage temperature	-20...60°C	
	Storage humidity	20...80% RH	
<b>Airflow</b>	Measurement range	0...20m/s	
	Accuracy	±(0.2m/s + 2% of measured value)	
	Resolution	0.01 m/s	
	Principle	Hot film anemometer	
<b>Temperature</b>	Measurement range	-20...70°C	
	Accuracy	±0.7°C in the range 0...+50°C	
	Resolution	0.1°C	
	Principle	NTC	
<b>Compatibility</b>	XA1000		
<b>Accessories</b>	Extension and/or connecting cable for digital sensor, 2m		<b>8120.KAB2</b>

