Flow measurements with time chart on a high resolution display

X(pert) 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.

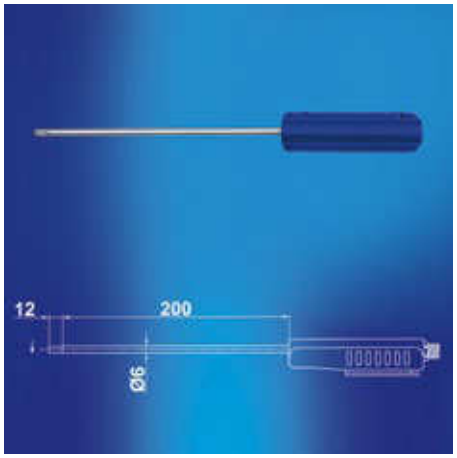
Hand-held measuring device XP400			Order No.
The X-pert for precise airflow measurements on various measurement ranges.			**5840.00**
Technical data	Dimensions	170 x 62 x 34 mm	
	Weight	Approx. 205g	
Storage conditions	Permitted ambient temperature	-20...60°C	
	Permitted rel. humidity	<90%RH non-condensing	
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 in delivery	
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 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/h), (l/min)		
Accessories	Connecting cable for external sensors, 2m Connecting cable for external sensors, 10m		**8120.KAB2** **8120.KAB10**

Compatible sensors for XP400		Page
Flow/ Temperature	SDI (0…2m/s)	23
	SDI (0…20m/s)	23

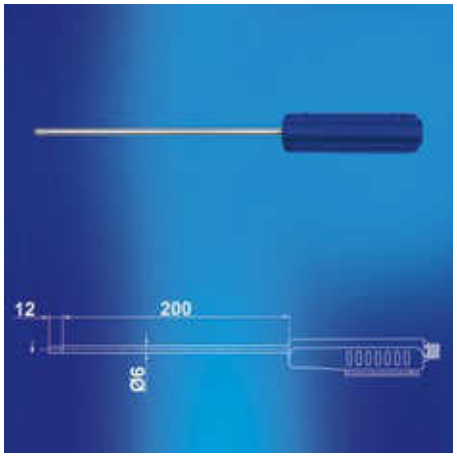
More Information Lufft X-Series
www.lufft-xseries.com

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

SDI Airflow-/Temperature Sensor (0…2m/s)			Order No.
Reference device for airflow and temperature measurements in service and maintenance. Proof of air tightness of buildings and rooms.			**6120.510**
Technical data	Dimensions sensor tube	Length 200mm, Ø 6mm	
	Dimensions housing	117 x 38 mm	
	Weight	Approx. 200g	
	Protection	Housing: plastic (ABS) IP40 sensor head: stainless steel	
	Permitted operation temp.	0...50°C	
	Permitted humidity	0...95% r.h.	
	Storage tempe-rature	-20...60°C	
	Storage humidity	20...80% r.h.	
Airflow	Measurement range	0…2m/s	
	Accuracy	±(0.08m/s + 1% of measured value)	
	Resolution	0.01 m/s	
	Principle	Hot film anemometer	
Temperature	Measurement range	-20…70°C	
	Accuracy	±0.7°C in the range 0…+50°C	
	Resolution	0.1°C	
	Principle	NTC	
Compatibility	XA1000		
Accessories	Extension cable for sensor, 2m		**8120.KAB2**



SDI Airflow-/Temperature Sensor (0…20m/s)			Order No.
Application: airflow and temperature measurements in climate measurement technology			**6120.520**
Technical data	Dimensions sensor tube	Length 200mm, Ø 6mm	
	Dimensions housing	117 x 38 mm	
	Weight	Approx. 200g	
	Protection	Housing: plastic (ABS) IP40 sensor head: stainless steel	
	Permitted operation temp.	0...50°C	
	Permitted humidity	0...95% r.h.	
	Storage tempe-rature	-20...60°C	
	Storage humidity	20...80% r.h.	
Airflow	Measurement range	0…20m/s	
	Accuracy	±(0.2m/s + 2% of measured value)	
	Resolution	0.01 m/s	
	Principle	Hot film anemometer	
Temperature	Measurement range	-20…70°C	
	Accuracy	±0.7°C in the range 0…+50°C	
	Resolution	0.1°C	
	Principle	NTC	
Compatibility	XA1000		
Accessories	Extension cable for sensor, 2m		**8120.KAB2**



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