

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

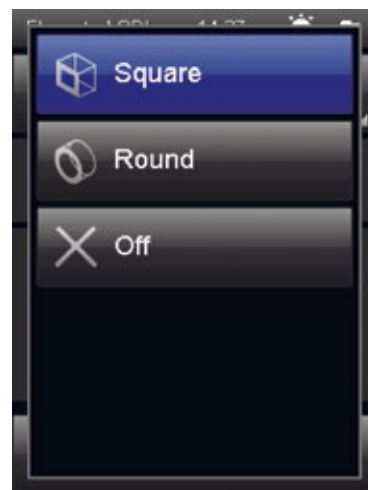


Hand-held measuring device XP400 for measuring airflow



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.
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	
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 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	
Calculated measurement categories for external airflow sensors	Measuring principle	Piezoresistive	
	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)		
Accessories	Various units: (m³/s), (m³/min), (m³/h), (l/min)		
	Extension and/or connecting cable for digital sensor, 2m		8120.KAB2
	Extension and/or connecting cable for digital sensor, 10m		8120.KAB10



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

