



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

- **Parameters measured**
The X-pert for precise airflow measurements on various measurement ranges.
- **Measurement technology**
Various - thus exchangeable sensors
- **Product highlights**
Precise and flexible all-rounder handheld instrument, easy to handle and robust, sensor connection with automatic recognition, saves measuring campaigns, allows all climate data to be calculated and archived, evaluation software SmartGraph3 included
- **Interfaces**
USB (Cable and SmartGraph3 software included)
- **Article number**
5840.00

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

IMPORTANT: Hand-held measuring device XP400 is discontinued

Please check the alternative: [All-in-One Handheld Device XA1000](#)

Technical Data

Handheld measuring device XP400 - discontinued



General	
Dimensions	170 x 62 x 34 mm
Weight	Approx. 205 g

Storage conditions	
Permissible ambient temperature	-20...60 °C
Operating rel. humidity	<90 % RH non - condensing

Operating conditions	
Operating rel. humidity	<90 % RH (20g/m ³) non - condensing
Admissible height above absolute altitude	4000 m

Power supply	
Power supply	4 Alkaline LR6 AA 1.5 V/USB 5 V
Active power consumption	Approx. 400 mW
Battery life passive	Approx. 1 year
Battery life active	Min. 24 hours
Sensor power supply	5.5 V \pm 10 % DC, max. 200 mA

Data storage	
Integrated data storage	up to 200 gauges taking approx. 1 mill. values

Interface	
USB	Cable and SmartGraph3 software included in delivery

Display	
Definition of measured values	2 decimal places

Display	
Control	Touch screen, capacitive
Technology	TFT, resolution 240 x 320, 65 k colours, very good contrast due to Piezoresistive technology
Surface, toughened glass	Degree of hardness: 7, scratch - resistant

Integrated air pressure sensor	
Measuring range	800...1100 mbar
Accuracy at 25°C, 1013.25mbar	0.5 mbar
Long-term stability	typ. 1 mbar/year
Measurement resolution	0.024 mbar
Measuring principle	Piezoresistive
Calculated measurement categories for external airflow sensors	Operating airflow volume - various units: (m ³ /s) (m ³ /h) (l/min) Standard airflow volume: DIN 1343 (°C, 1013.25 hPa), ISO 2533 (15 °C, 1013.25 hPa), DIN 1945 (20 °C, 1013.25 hPa) Various units: (m ³ /s), (m ³ /h), (l/min)