



**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 <sup>3</sup> ) 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 ± 10 % DC, max. 200 mA

## Data storage

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

USB	Cable and SmartGraph3 software included in delivery
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## Display

Definition of measured values	2 decimal places
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## 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 <sup>3</sup> /s) (m <sup>3</sup> /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 <sup>3</sup> /s), (m <sup>3</sup> /h), (l/min)