



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.

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

Technical Data

Hand-held measuring device XP400



| 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 ± 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) |