

## Measuring devices for volumetric flow and flow speed



Volumetric flow anemometer

### GVA 0430

cpl. in case, incl. RS232 interface cable and software

- flow rate
- volumetric flow
- temperature

#### Application:

Ventilation and air conditioning technology, meteorology, water sport, air gliding etc.

#### Specification:

##### Meas. ranges:

**Flow rate:** 0,40 m/s to 30,00 m/s

**Temperature:** -10,0 ... +50,0°C

**Resolution:** 0,01 m/s resp. 0,1 °C

**Accuracy:** (at nominal temperature = 25°C)

**Flow rate:** ±2 % FS

**Temperature:** ±0,6 °C

**Meas. probes:** vane probe, 70mm rotor-Ø and precision-NTC

**Meas. interval:** 1 meas. / sec.

**Display:** 2-line LCD display, 37 x 42 mm

**Working temperature:** -10 to +50°C

**Relative humidity:** 0 to +95%r.h. (non-condensing)

**Storage temperature:** -10 to +50° C

**Interface:** serial interface RS232

**Special function:** averaging of 8 meas. points, averaging throughout meas. time, volumetric flow calculation, hold function, min./max. value memory

**Power supply:** 9V-batteries, type IEC 6F22 (included) or via external power supply

**Operating time:** 100 hours (with alkaline)

**Low battery warning:** display blinking  
**Automatic-Off-function:** device switches off automatically after 20 minutes. Permanent mode possible.

#### Housing dimensions:

device: 183 x 76 x 45 mm (W x H x D),

probe: 155 x 75 x 42 mm (W x H x D),

#### Weight:

approx. 350g (meas. device and probe)

approx. 1.05kg (cpl. in case)

#### Accessories:

**GNG 8901** power supply



Thermal anemometer

### TA 888

complete set in case, incl. software

- high accuracy
- smallest and slow air flows measurable
- slimline telescopic probe

#### Applications:

Classic application of the TA 888 is flow measurement in ventilation ducts. Due to its high resolution of 0.01 m/s even smallest changes of the flow velocity can be easily and fast detected. The sensor's small dimensions ensure measurements yet in thin tubes and confined spaces.

Further applications are function and dirt checks of filters and exhaust ducts as well as measurements of room air velocity, e.g. for workspace checks.

#### Specifications:

##### Measuring range:

**Flow:** 0.10 m/s ... 25.00 m/s

**Temperature:** 0.0 ... +50.0°C

##### Resolution:

**Flow:** 0.01 m/s

**Temperature:** 0.1 °C

##### Accuracy:

**Flow:** (5 % + 0.1 m/s) FS

**Temperature:** ±1 °C

**Display:** LCD display

**Meas. interval:** approx. 0.8 s

**Working temp.:** 0 ... 50 °C

**Relative hum.:** 0 ... 80 % RH

##### Dimensions:

- **Housing:** 210 x 75 x 50 mm (H x W x D)

- **Telescopic probe:** extendable up to 1150 mm (incl. handle), Ø 10 mm

- **Cable:** 2 m

**Wight:** approx. 275 g (only measuring device)

approx. 1800 g (complete set in case)

**Scope of supply:** measuring device, battery, probe, case, power supply, USB cable, software

#### Accessories:

**Calibration certificate** (10 points) (without device)

**DKD- certificate** (10 points) (without device)

## Phonometer



Phonometer

### GSH 8922

with analog output, backlight display cpl. in case

#### General:

Compensation of the background-noise for measuring sound-sources in the foreground. Weighting of the sound level via two weighting-filters according to the IEC standard. Assignment of the max/min value during one measuring period.

#### Specification:

**Measuring ranges:** 30 - 130 dB (6 ranges)

30 - 80, 40 - 90, 50 - 100,

60 - 110, 70 - 120, 80 - 130 dB

manual or automatic selection of range

**Resolution:** 0,1 dB

**Accuracy:** ±1,5 dB

**Norms:** ANSI S1.4 and IEC 651 Typ 2

**Frequency rate weighted:** 31,5 Hz - 8 kHz

**Evaluation weight filter:** 2, selectable

**Type A:** evaluation of the spectrum in accordance with the perceptive faculties of the human ear.

(Sound insulation establishment, environmental analysis)

**Type C:** linear evaluation of spectrum

(sonic-analysis of engines or machines)

**Weight of time factor:** fast or slow

**Microphone:** 6mm Electret condenser mic.

**Display:** 3½-digit LCD-backlight display,

additionally quasi-analog bar graph

**Analog output:** AC: 0.707 Vrms, DC: 10mV DC / dB

**Working temperature:** 4 to +50°C

**Relative humidity:** 10 to +90 % RH

**Storage temperature:** -20 to +60° C

**Interface:** RS232, (2400BD8N1)

**Power supply:** 9V-batteries, type IEC 6F22

(included) or via external 9V power supply

**Operating time:** 20 hours (with alkaline)

**Housing:** 256 x 80 x 38 mm (H x W x D)

**Weight:** approx. 240g (meas. device)