

## 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 410

incl. case and calibration certificate

- high precision
- measures even small air flows
- rigid thin telescopic probe (Ø 7mm)
- automatic temperature compensation
- simple 2 keys operation

#### General:

The TA410 proves that quality does not necessarily have to be expensive. Precise measuring of the important measurands air velocity and air temperature in ventilation and air conditioning systems isn't a question of the price anymore.

Its price and precision makes this instrument interesting for any measuring specialist.

#### Specification:

##### Meas. ranges:

**Flow rate:** 0,00 m/s ... 20,00 m/s

**Temperature:** -10,0 ... +60,0 °C

##### Resolution:

**Flow rate:** 0,01 m/s

**Temperature:** 0,1 °C

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

**Flow rate:** ±3 % of m.v. (typ.)

or ±0,025 m/s

**Temperature:** ±0,3 °C ±1 digit

**Display:** LCD-display

**Power supply:** 4 pcs. 1.5V AA batteries (included)

**Operating time:** 15 operating hours (with alkaline batteries)

**Ambient temperature:**

- **electronic:** 5 ... 45 °C

- **telescopic probe:** -10 ... +60 °C

**Dimensions:**

- **device:** 183 x 87 x 44 mm (W x H x D)

- **telescopic probe:** tip-dia 7 mm, end-dia 13 mm,

length: 245 mm ... 1053 mm,

cable length: 1m

**Weight:** approx. 270g (device and probe)

## Phonometer



**Phonometer**

### GSH 8922

with analog output, backlight display  
cpl. in case

#### General:

Compensation of the background-noise for measuring sound-sources in the fore-ground. 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)

#### Accessories:

**GNG 8922** power supply

**T-Logg 120 K / 0-2V** € 99,90  
for mains-independent long-term recording system (p.r.t. page 62)