

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)

Accessories:

GNG 8922 power supply

T-Logg 120 K SET/0-2V

incl. software, for mains-independent long-term recording system (p.r.t. page 79)