

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

GSOFT 8922 software incl. interface cable RS232

EASYLog 40 NS / 0-2V p.r.t. page 62 for mains-independent long-term recording system