

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, meas. value memory, min./max. value memory

Power supply: 9V-batteries, type IEC 6F22 (in scope of supply), battery life with alkaline battery: approx. 100 operating hours.

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)



Thermal anemometer

TA35

incl. case and calibration certificate

- high precision
- measures even small air flows
- rigid thin telescopic probe (Ø 8mm)
- automatic temperature compensation
- simple 2 keys operation
- display shows velocity and temperature simultaneously

General:

The TA35 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 to 20,00 m/s

Temperature: 0,0 ... +80,0°C

Resolution:

Flow rate: 0,01 m/s

Temperature: 0,1 °C

Accuracy: (at nominal temperature = 25°C)

Flow rate: ±3 % v. MW. ±1 digit

Temperature: ±1 °C ±1 digit

Display: 2-line LCD-Display

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

Operating time: 15 operating hours (with alkaline batteries)

Low battery warning: autom. display of "LOBAT"

Dimensions:

- **device:** 185 x 92 x 30 mm (W x H x D),

- **telescopic probe:** tip-dia 8 mm, end-dia 13 mm, length: 210 ... 930 mm, cable length: 1m

Weight: approx. 480g (device and probe)

Phonometer



Phonometer

GSH 8922

cpl. in case, with analog output, backlight display and interface

General:

Kompensation 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)

Typ 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 63 for mains-independent long-term recording system