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, metereology, 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 mmm
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

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 prooves that quality does not necessarily has 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 prize anymore.
Its prize 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, lenght: 210 ... 930 mm, cable lenght: 1m
Weight: approx. 480g (device and probe)

Phonometer

Phonometer

GSH 8922

with analog output, backlight display cpl. in case

General:

Kompensation of the background-noise for measuring sound-sources in the fore-ground. Weightig of the sound level via two weighting-filters according to the IEC standard. Assignation 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 insolation 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 condensator 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 56**
for mains-independent long-term recording system