

G 110

The Honold G110 is the basic product of the Honold G-series and is manufactured using the latest Sensor and chip design. Although the Honold G110 enables a fast and precise measurement it is none the less simple to use, compact, and lightweight. The Honold G110 is for multi-purpose use of e.g. sampling of ambient air, soil and waste disposal gas, PCB, PAH as well as air-transported contaminants like germs, spores, dust, fibers and aerosols – Easy done with the G110!

Precise samplings with the Honold G110 are simple – even under rugged field conditions!

The powerful microprocessor and accurate thermal mass flow sensor support fast and precise gas samplings. An internal battery supports up to 8 hours of air sampling (external battery charger included).

The intuitive Honold G110 workflow guidance permits easy parameterization of flow rate, sampling volume and instant or time-delayed start up only by keypad/LCD.

After parameterization and start of the sampling, constant flow control and automatic stop functionality at target volume make accurate measurements easy and time-saving. Adjustment of flow rate and temporary interruption of measurement by keypress enable flexible response to acute changes of sampling conditions without the need to abandon sampling and start a new one.

After achieving the target volume the sampling is stopped automatically and the data memory routine is started. Up to 30 datasets can be saved in the internal memory and subsequently transferred to a PC.



Practical! – Easy! – Beneficial!

Advantages of the Honold G110:

- Lightweight and handy, only 7.2 kg. Mains voltage-version without internal battery only 5.5 kg.
- Precise thermal mass flow sensor for flow rates from 0.3 to 10.0 l/min).
- Easy parameterization of flow rate, sampling volume and time of start up by keypad/LCD.
- Adjustment of flow rate and temporary interruption of measurement by keypress.
- Constant flow control and automatic stop functionality at target volume.
- Display of the actual values of flow rate, volume, duration and negative pressure during measurement.
- Automatic internal memory for up to 30 datasets (PC-kit optionally).
- Internal battery for up to 8 hours of operation (unlimited operation with external battery charger).
Alternatively: Lightweight mains voltage-version without internal battery (built-in mains adapter).
- Delivery including external battery charger, operating instructions and calibration report.

Honold Quality & Safety Standards strive for top quality and leading edge products offering you safety and peace of mind. All ‘Honold Umweltmesstechnik’ products fully comply with the international and german rules and regulations of ISO, EN, DIN, VDI, OFD-H/BAM as well as LABO/§18. Maintenance, consulting, quality control and logistics services complement our products, including.

Technical Data

Flow measurement:	Thermal mass flow controller, pressure- and temperature-independent.
Sampling flow range:	0.3 – 10 standard liters per minute (Air @ 0 °C and 1013 hPa, alternatively ATP conditions @ 0 °C and 1013 hPa). Automatic constant flow control!
Sampling volume:	1-9999.9 standard liters.
Differential pressure:	0 to -420 hPa differential negative pressure, abandonment of sampling at undershooting.
Temperature range:	5 – 40 °C media temperature, 0 – 45 °C ambient temperature.
Humidity range:	0 – 90 % r.H., non condensing.
Operating voltage:	Internal lead-acid-battery providing up to 8 h of continuous operation. Memory effect-free charging. Mains voltage-version without internal battery (built-in mains adapter 230 VAC)
Data memory:	Data storage capacity up to 30 records, consisting of values of sampling volume and flow, starting time, duration, negative pressure and status.
PC-interface:	Serial interface including connector cable and PC-software terminal software.
Dimensions:	Length 28 x width 36 x height 14 cm.
Weight:	7.2 kg (excl. external battery charger), alternatively 5.5 kg (Mains voltage-version).
Special functions:	Auto seal test including recording in system data memory. Time-delayed start up to 23:59 hours in advance Automatic data-saving at power failure

Options and Accessories

Filters, Adapters ...:	Measurement and filter heads, adapters and connectors, hoses and connectors according to customer's specification on request.
Telescopic Stand:	Telescopic stand for ambient air measurements, lightweight design (nickel plated steel), including clamps for mounting of filter heads and adapters..
Plugging Stand:	Modular plugging stand with quick connectors for ambient air measurements. Lightweight design (anodized aluminum), including clamps for downward mounting of filter heads and adapters (suction height 1.5 m).
Aquastop-System:	AQUASTOP-Sensor mounted in filter module for prevention of water/groundwater inflow, including septum for gas sampling with gastight syringe and ampoules or vials. Separate quick connector for external gas detectors.
Borehole packer probe Twinpak:	Stainless steel borehole packer probe with rugged design, including filtering module, 1m- and 2m-extension module and accessories. Manual pump set for packer inflation on up to 0.3 MPa normal operation pressure (p_{max} at 0.6 MPa). Inner diameter of metering point-/borehole from 40 to 70 mm. Easy leakage testing.
Borehole testing probe BS112:	Light borehole testing probe according german national standard VDI 3865-2. Robust stainless steel tube with rubber sealing cone. For integrating soil gas sampling over the whole bore interval. Boreholes and measuring points with diameters 25 to > 50 mm and standard sampling depth 1 m. Connectors optionally quick coupling or hose nozzle, including separate branch connection with quick coupling for additional external measurement devices..

Excited? Talk to us!