

Handheld measuring instrument for hydraulic balancing HMG 01



- Hydraulic balancing directly at the radiator with VarioQ valves
- Simple measuring instrument for line fittings
- Measurement/check of differential pressure and flow rate
- For heating circuit water and media of other densities



Application For differential pressure measurement and flow rate adjustment in heating and refrigerating systems during hydraulic balancing. To be used in conjunction with VarioQ thermostat valves and combination blocks. If VarioQ valves are used, hydraulic balancing can be done directly at the radiator. It is neither necessary to know the pipeline system nor to perform complex calculations.

Description HMG 01 is a simple, lightweight handheld measuring instrument with a display for visualisation of the results of measurements. The flow coefficients of the valves with measuring function can be manually set via the keypad (valve bodies VarioQ S, M, L are stored in the memory); the flow rate at the valve can be displayed and the water volume can be easily set at the VarioQ valve without conversion. The measured flow rate and pressure values can be displayed in various units. HMG 01 features an intuitive calibration function for zero calibration.

Technical specifications

Measuring range

0/1,000 kPa / 0/10 bar

Max. overpressure

- side: 1,000 kPa / 10 bar
+ side: 1,500 kPa / 15 bar

Operating temperature range

Ambient/storage: -5/+50 °C
Medium: -5/+90 °C

Weight

380 g

Dimensions

W x H x D: 94 x 218 x 40 mm

Display

Backlit display
128 x 64 Pixel

Connection

2 x plug connection (red/blue)

Supply voltage

2 x 1.2 V AA batteries (rechargeable)

Options

- Hose kit for line fittings
- Measuring needles for line fittings

Scope of delivery

Measuring instrument with calibration report, 2 x batteries, 1 pair of measuring hoses for connection of VarioQ valves, adapters and accessories for connection to the system to be balanced, mounting tools

DG: H, PG: 4	Part no.	Price €
HMG 01	68785	
Spare parts		
Hose kit Gampper for AFRISO/Gampper valves with quick-action coupling, measuring needles and sintered plastic filter	480 010.801	
Measuring needles	480 000.805	
Measuring hose kit for line valves with quick-action coupling and sintered plastic filter (2 pieces)	480 000.801	
De-aeration adapter for measuring hoses	480 010.806	
Kit sintered plastic filter and O ring	480 000.808	