Portable, quick and reliable

FLUXUS® F/G601 and F/G608
Portable ultrasonic clamp-on gas and liquid flow meters

Accurate
Flexible
Quick
Rugged
Ergonomic

External measurement of internal flow
FLUXUS® F/G60X

Mobile flow measurement without compromises

The benefits are evident...

- **Unrivalled accuracy** even at very low as well as high flow rates due to matched transducer pairs and innovative signal processing

- **Reliable measurement** even in difficult conditions such as high solid contents or wet gas

- **High zero point stability** and insensitivity in regard to pipe wall noise and wrong transducer positioning

- **Maximum flexibility** for the measurement of virtually any liquid and gaseous media

- **Quick measurement**; reliable results in no more than 5 minutes

- **Rugged housing and ergonomic design** optimized for daily usage in harsh industrial environments and hazardous areas

- **Long-life marathon battery**; comprehensive energy management with display of remaining capacity
The flexible meter

The portable flow meters FLUXUS® F/G601 and FLUXUS® F/G608 measure the flow of liquids and gases non-intrusively by employing the proven transit-time correlation method. Special ultrasonic transducers are simply clamped onto the outside of the pipe and are never in direct contact with the medium flowing inside. No cutting into the pipe or process interruption is required for installation.

FLUXUS® offers maximum flexibility:
► For virtually any pipe material and media, regardless of the conductivity and pressure level
► Wide application range: two pairs of transducers are sufficient to cover the most common pipe diameters in industrial applications
► The broad transducer range enables flow measurement at pipes sizes from DN 6 to DN 6500 with pipe wall temperatures from -170 °C up to +400 °C and beyond as well as within hazardous areas (ATEX / IECEx and FM certified).
► Highly reliable measurements even at high solid contents or wet gas
► Ideal measurement solution for the determination of a building’s or plant’s thermal energy consumption and total energy efficiency
► Energy efficient battery management allowing for more than 17 hrs. of remote measurement
Fit for purpose

Reliable measurement in less than 5 minutes

Selection of the measuring point

→ Select a suitable measuring point.

Measurement of the wall thickness

→ Simply select the pipe material from the list and measure the wall thickness with the included probe.

Connection of the transducers

→ Automatic transducer detection and calibration in the device offer maximum safety and ease of use.
Input of the parameters

- Easy selection of pipe and fluid from the integrated list; input of the pipe dimensions.

Mounting of the transducers

- Apply coupling agent; mount the transducers on the sides of the pipe; set and fix the displayed transducer distance.

Starting of the measurement

- The measured values are shown in the display immediately after the ENTER button has been pressed.
Made for users by users

The features at a glance

Rugged and ergonomic design

- compact and easy to handle
- carbon fibre reinforced housing and steel armored cables designed for industrial usage
- water and dust-tight; resistant against oil, many liquids, and dirt
- multi-functional carrying and set-up handle

Highly accurate and reliable

- low weight
- QuickFix system for fast mounting in positions where a free hand for carrying is unavailable (e.g. for measurements at great heights)
- ATEX / IECEx and FM certified for usage in hazardous areas
- extensive media database of liquids and gases
- proven FLUXUS® electronics, sophisticated transducer matching and automatic compensation of changing ambient temperatures (according to ANSI/ASME MFC 5.1-2011 recommendations) assures an unrivalled zero point stability and no measurement drift
- calibration of transducers and transmitters (traceable to national standards)
- high operational safety in case of media with a high percentage of gas and solids or wet gas
- high accuracy even in non-ideal conditions due to innovative signal processing algorithms, e.g. for the correction of pipe wall echoes and transducer positioning errors
Cutting edge functionalities

- integrated measurement of the pipe wall thickness
- automatic loading of calibration data and transducer identification prevents parameterisation errors, speeds up the set-up and ensures a precise measurement
- portable thermal energy measurement (ideal for energy audits, optimisation of heating systems, energy consumption measurements, etc.)

Easy operation

- fast set-up due to automatic loading of transducer data
- intuitive user interface
- high-contrast, easy-to-read display with backlight

Excellent battery management

- precise display of remaining capacity
- more than 17 hours of remote measurement with lithium-ion batteries
- no self-discharge, no memory effect

Sturdy case

- extremely sturdy case; may even be used as a step
- intuitive stowing and finding of all components
- watertight (IP67)
- offers protection in humid and dirty environments
Main line
Consumer
ERROR: rangecheck
OFFENDING COMMAND: .buildshading2

STACK:

.dictionary-
.dictionary-