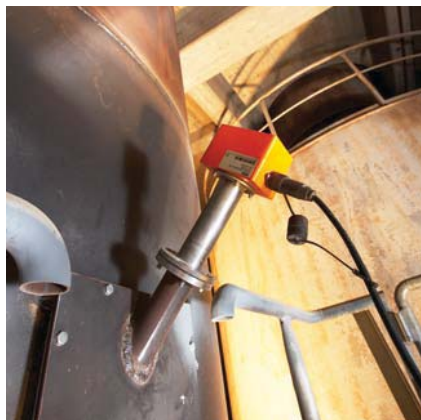


Ultrasonic technology by SICK: gas flow measurement at the highest level



Gas flow measuring devices

With diverse gas flow measuring devices SICK provides solutions for a wide variety of measuring tasks - from calculating

volume flows in processes, custody transfer applications in natural gas industry, environmental monitoring of

plants, on test stands in automotive industry and many others.



Gas flow measuring devices



FLOWSIC100 CEMS. 478
Volume flow measuring devices for continuous emission monitoring (CEMS)



FLOWSIC100 Flare 478
Reliable gas flow measurement for flare gas applications



FLOWSIC100 Process 479
Reliable and accurate volume flow measurement in processes



FLOWSIC600 479
Gas meter for custody transfer and process applications





FLWSIC100 CEMS – at a glance

- Rugged titanium transducers for high durability
- Corrosion-resistant material for application in aggressive gases (option)
- Integral measurement over the duct diameter with types H, M and S
- Probe type PR for economic installation from one side of the duct
- Automatic function control with zero and span point check

Your benefits

- Reliable flow measurement for ducts with small up to very large diameters
- High durability of the device
- Minimum operating and maintenance costs
- Accurate measuring results under difficult measuring conditions
- Measurement without pressure loss, therefore no influences on the process
- User-friendly operation via SOPAS ET software
- Reliable function monitoring due to enhanced diagnosis

→ www.mysick.com/en/FLWSIC100_CEMS

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



FLWSIC100 Flare – at a glance

- Innovative sensor design for very high gas velocities
- Highly accurate time resolution for measurements near zero point
- For pressure up to 16 bar
- Hermetically sealed transducers made of titanium or stainless steel
- For hazardous areas Zone 1, Zone 2 (ATEX/IECEX) and CSA Class I, Div1
- Retraction mechanism as an option
- Automatic zero and span point check

Your benefits

- Suitable for very low up to very high gas velocities
- No flow turbulences at the sensor tip, therefore no signal disturbance
- Exchange of sender/receiver units during plant operation
- No movable parts, therefore low maintenance
- Measurement independent of pressure, temperature and gas composition
- User-friendly operation via MCUP control unit

→ www.mysick.com/en/FLWSIC100_Flare

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.





FLOWSIC100 Process – at a glance

- Corrosion-resistant transducers made of stainless steel or titanium
- Process pressure up to 16 bar
- Explosion-proof version for applications in Zone 2 (ATEX) available
- Hermetically sealed ultrasonic transducers
- Measurement without pressure loss, therefore no influences on the process
- Automatic function control with zero and span point check

Your benefits

- Reliable and accurate measurement also at low gas velocities
- No movable parts, therefore low maintenance
- Measurement independent of pressure, temperature and gas composition
- No influence on the gas flow due to contact-free measurement
- Approved for usage in hazardous areas Zone 2 (ATEX)
- User-friendly operation and device diagnosis via MCU control unit and SOPAS ET operating software

→ www.mysick.com/en/FLOWSIC100_Process

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.



FLOWSIC600 – at a glance

- Bidirectional measurement
- Path layout without reflection
- High efficient transducers
- Wide measuring range up to 1 : 130
- Low risk of hardware damage from overload
- Integrated logbook and data logs
- Low power consumption (<1 W)

Your benefits

- Low maintenance effort due to intelligent self-diagnosis
- No pressure loss
- Nearly insensitive to pressure regulator noise
- Calibration with air at atmospheric pressure possible
- Transducer can be dismantled under line pressure
- Power supply via solar panel possible

→ www.mysick.com/en/FLOWSIC600

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

