

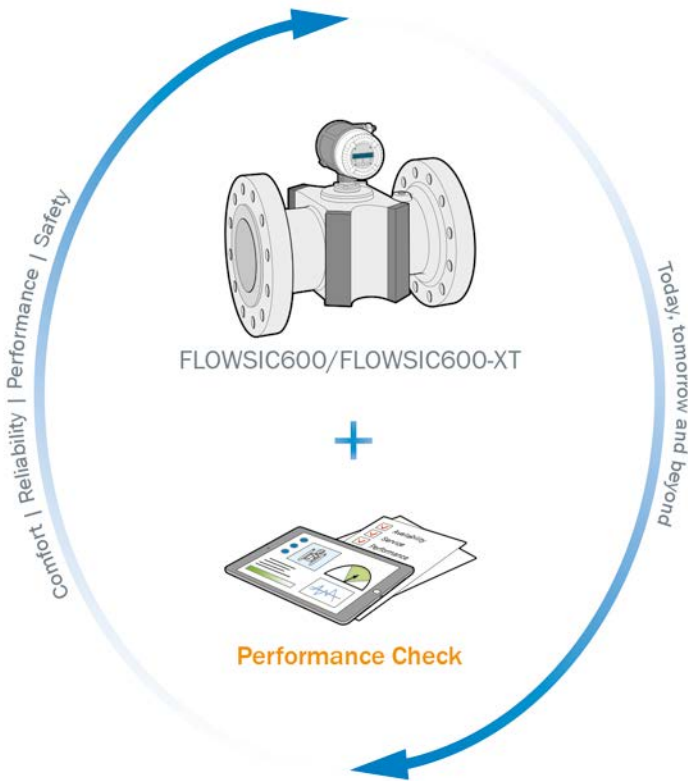


FLWSIC600/FLWSIC600-XT PERFORMANCE - CHECK

SECURING A RELIABLE MEASUREMENT

Professional inspection for ultrasonic gas flow meters

SICK
Sensor Intelligence.



Availability –
Maximized uptime



Certainty –
Future service recommendation



Accuracy –
performance assessment



The performance check for FLOWSIC600 and FLOWSIC600-XT ensures maximum uptime and reliable, precise measurement.

www.sick.com/gas-flow-meters

Professional service for ultrasonic gas flow meters

The FLOW SIC600 and FLOW SIC600-XT ultrasonic gas flow meters use the ultrasonic time-of-flight difference measurement and work without mechanically moving parts. This makes them extremely resistant to contamination and wear. However, even small modifications to a measuring device can have big effects. That is why precise measurement of gas quantities is of great importance. SICK therefore offers a professional performance check for the FLOW SIC600 and FLOW SIC600-XT: It is a very simple method for ensuring that your measuring device is measuring precisely and reliably today and will continue to do so in the future.

At a glance

- Evaluation of the current performance of the device
- Detailed inspection of the ultrasonic signals
- Review of the data history in order to identify fault patterns
- Detailed service report with notes for maximum performance and uptime
- Optional: On-site assessment of the measuring device concerning installation and application conditions

Range of services

Performance check

- Validation of the overall status and the performance level relating to the application conditions
- Evaluation of the flow profile and diagnostic values
- Evaluation of the quality of the ultrasonic sensor (shape and zero phase of the signal)
- Trend analysis of the diagnostic values
- Creation of a service report, including recommendation for future service activities to ensure very high precision and maximum uptime of the device

Your benefits

- Transparent display of device performance
- Prevention of downtimes, faults, or damages
- Enables reaction of operating staff and planning of maintenance appropriate to the needs and the situation
- Ensuring reliable measurement
- Recommendations for predictive maintenance by SICK experts

On-site inspection (optional)

- Visual inspection of the mechanical and electrical installation as well as examination for device damages
- Visual inspection, documentation, and evaluation of the application conditions
- Function and communication test of the electric output signals
- Creation of a diagnostic session as a prerequisite for the performance check



FLOWSIC600 - ZeroFlow and SOS Report				
<small>(Use MEPFLOW6000 CIM for data acquisition)</small>				
Device SN	1234567			
Analog board SN	1234563			
Electronics block SN	1234569			
Device	FLOWSIC600	Date	5. März 2019	
Type	Custody Transfer	Operator	SICK	
Path number	4	File name		
Laboratory	-	Log time [min]	5	
Test Conditions				
Test Gas	Rel. Humidity	Temp. [°C]	Pressure [bara]	Theoretical VOS [m/s]
Ambient air	30%	22.5	0.987	345.27
Speed of Sound Test				
Max. Error to theoretical SOS [%]	0.2		Max. Error between paths [%]	0.2
Measuring values				
	SOS [m/s]	Diff. to theor. SOS [%]	Result	
Path 1	345.375	0.030	OK	
Path 2	345.470	0.058	OK	
Path 3	345.451	0.052	OK	
Path 4	345.059	-0.061	OK	
Maximum	345.470			

More information about our product portfolio can be found under: www.sick.com