



FLWSIC100 Flare technology upgrade

INNOVATIVE FLARE GAS MEASUREMENT
FOR YOUR EXISTING INSTALLATION

Upgrade service from MCUP to Flare-XT Interface Unit

SICK
Sensor Intelligence.

Technology upgrade

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Parameter transfer



FLWSIC100 Flare
MCUP



New
FLWSIC100 Flare-XT
Interface Unit



i-diagnostics™ plug-in –
Diagnostics and verification
at the push of a button



FLOWgate™ –
Monitoring and analysis
of measured values and
device information



ASC technology –
Extension of the maximum
flow range by up to 30%



Upgrading to the new Flare-XT Interface Unit brings state-of-the-art technology to your existing installation. Thanks to the intuitive FLOWgate™ software and the i-diagnostics™ plug-in, self-monitoring and condition-based maintenance of your system are already available today.

www.sick.com/FLWSIC100 Flare

Flare-XT interface unit: Ready for the system environments of today and tomorrow

Increasing competition in the process industry means that work processes and services have to be continuously optimized. Thanks to numerous interfaces, the powerful Interface Unit of the new FLOWSIC100 Flare-XT product generation can be easily connected to a wide range of existing systems and networks.

The FLOWgate™ i-diagnostics™ plug-in enables independent device testing based on diagnostic data via remote access, thus reducing your operating and maintenance costs.

Your benefits

- i-diagnostics™ plug-in for self-monitoring and condition-based maintenance
- New, intuitive FLOWgate™ operating software
- Measurement availability at high flow speeds thanks to patented ASC (Active Sound Correlation) technology
- Quick and reliable device access via infrared interface
- Extended modular I/O concept (Ethernet TCP/IP, Foundation Fieldbus, HART®, Modbus®)

Fields of application

- Existing FLOWSIC100 Flare systems
- MCUP, which serves a measuring point with one or two paths
- Not suitable for calibrated devices with firmware < 1.20.00

How exchange works

- Testing of existing installation for upgrade capability
- Mounting and commissioning of the new Flare-XT interface unit
- Transfer of the old device settings to the new device

i-diagnostics™ – one feature, many options

- Verification of the measuring device with just one click, including certification and report function
- Automated self-diagnosis and data recording
- Optimization of operating costs thanks to condition-based maintenance and predictive service planning

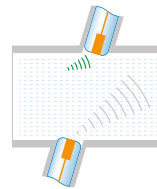
FLOWgate™ software



Clear display of measured values and diagnostic data for quick and easy system analysis

Patented ASC technology

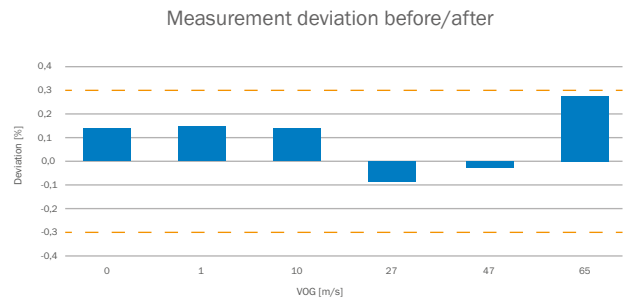
- Measurement availability even at the highest gas velocities
- Extension of the maximum flow range by up to 30%



If the signal gets blown away due to extreme gas velocity, the patented ASC technology algorithm ensures uninterrupted measurement.

The technology changes, but the excellent measurement accuracy remains the same!

The influence of the Upgrade Service on measurement deviation was tested under laboratory conditions. A flow test of the measuring system was first performed with the old MCUP. After upgrade to the Interface Unit, this exact test run was repeated. Taking into account the test bench uncertainty, diagram 1 shows that the additional measurement deviation after conversion is smaller than the test bench uncertainty ($U_{cal} < 0.3\%$) and is therefore negligible.



More information about our product portfolio is available at: www.sick.com