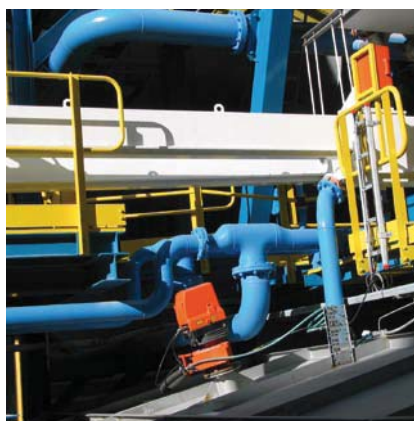


Optimum solutions for gas analysis in process or emission applications



Gas analyzers

For analyzing gases we offer an extensive range of gas analyzers and analyzer systems. Adaptation to different system conditions or solutions of complex measuring tasks - we have the answer: in-situ and extractive measu-

ring technology for instrumentation of complete facilities. The in-situ technology is characterized by low maintenance requirements and very short response times by direct measurement in the gas duct. The extractive gas analyzers can be

extended by numerous external system components to form a complete analyzer system. Our versatile gas analyzers can be adapted specifically to the measuring task and are suitable for a broad range of applications.



Gas analyzers



TRANSIC100LP	466
Laser measurement of oxygen in harsh industrial applications	



GMS800	466
Tailor-made gas analysis solutions for process and emission monitoring	



GM32	467
Direct measurement of aggressive gases	



MERCEM300Z.	467
Innovative measurement of mercury in flue gases	



TRANSIC100LP – at a glance

- O₂ transmitter using effective laser spectroscopy
- Optimized for use in harsh industrial environments – explosion-protected version
- Measurement directly in the process or within the slip stream using a sample cell (option)
- Resistant against aggressive chemicals or high moisture
- Stable measuring values due to drift monitoring
- Low maintenance requirements
- Heated optics to prevent condensation

Your benefits

- Compact design requires minimum space and easy use
- Minimizes the need for sample conditioning equipment
- Fast results due to the measurement close to the process
- Very low operation costs because there are no consumables and no nitrogen purging is needed
- Diagnostic output for preventive maintenance

→ www.mysick.com/en/TRANSIC100LP

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.



GMS800 – at a glance

- 7 different analyzer modules: DEFOR (NDUV, UVRAS), FIDOR (FID), MULTOR (NDIR), OXOR-E (electrochemical O₂), OXOR-P (paramagnetic O₂), THERMOR (TC) and UNOR (NDIR)
- 4 different types of enclosures
- Gas module with sample gas pump and/or control sensors
- New enclosure type for easy and quick integration in analyzer cabinets
- Remote diagnosis via Ethernet with software SOPAS ET

Your benefits

- Approved according to EN 15267-3 and EN 14181
- Installations in Non-Ex-areas and Ex-areas (Zone 1 and 2 according to ATEX) possible
- Minimum service and maintenance work as well as easy reconditioning of existing installations due to modular design
- Adjustment without test gases via optional adjustment unit
- Minimal influence of ambient temperature through thermostatic controlled modules
- System solutions with turn-key analyzer cabinets MAC800
- Reliable measuring results by proven measurement technology
- Easy maintenance and repair due to replacement of complete assemblies or modules

→ www.mysick.com/en/GMS800

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.





GM32 – at a glance

- Up to 6 measuring components at the same time (incl. gas pressure and temperature)
- Automatic self-test function (QAL3) without test gases
- Several independent measuring ranges with automatically optimized precision possible
- Direct measurement without sampling
- Reliable measuring results at high dust concentrations

Your benefits

- Unbiased measuring values due to in-situ measurement
- Fast or short-term changes in the process are being detected
- Representative measurement by selection of an appropriate probe or cross-duct type
- Fast on-site service due to modular design
- Long maintenance-free intervals

→ www.mysick.com/en/GM32

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.



MERCEM300Z – at a glance

- Accurate measurement of “total mercury” directly in a thermal converter (patented)
- Measuring operation without using consumables
- Very low maintenance gas sampling using an ejector pump – no moving parts
- Integrated adjustment cell for automatic drift correction
- Automatic adjustment of the entire measuring system with a built-in test gas generator (optional)
- Modular design with the entire system

Your benefits

- Reliable results of the actual measuring values of elemental Hg and Hg compounds in gases
- Very low operating expenses
- Minimum maintenance expenditure
- Long-term stability minimizes technician time requirements due to self-adjusting measuring system
- Measuring certainty using the fully automated adjustment with test gas
- Convenient and fast access for easy service and user-friendly remote diagnosis

→ www.mysick.com/en/MERCEM300Z

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.



So nothing gets dusty: innovative solutions for dust measurement



Dust measuring devices

SICK establishes a new standard in dust measurement: durable and low-maintenance systems for detecting and moni-

toring dust concentration. All of the dust measuring systems can be seamlessly integrated into existing measurement

landscapes at your plant. Easy installation and commissioning and comfortable handling are self-evident.



Dust measuring devices



DUSTHUNTER S 470
Innovative dust monitors with scattered light technology



DUSTHUNTER T 470
Transmissiometers for monitoring of dust concentrations



DUSTHUNTER C 471
Two in one – dust monitor with transmittance and scattered light measurement



FWE200 471
Extractive scattered light technology for measurement of dust in wet gases



DUSTHUNTER S – at a glance

- For very low to medium dust concentrations
- For small to large duct diameters
- Automatic check of zero and reference point
- Contamination check (not DUSTHUNTER B50)

Your benefits

- Easy installation, commissioning, and operation
- Measurement independent of gas velocity, humidity and particle charge
- Approved according to EN 15267-3 (not DUSTHUNTER SB50)
- Low maintenance due to self-monitoring

→ www.mysick.com/en/DUSTHUNTER_S

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.



DUSTHUNTER T – at a glance

- For medium to high dust concentrations
- For small to large measuring distances
- Automatic check of zero and reference point
- Integrated contamination check (not DUSTHUNTER T50)
- Automatic self-alignment of the optical assembly (only DUSTHUNTER T200)

Your benefits

- Easy installation, commissioning and operation
- Measurement independent of gas velocity, humidity and particle charge
- Low maintenance due to self-monitoring
- Approved according to EN 15267-3 (not DUSTHUNTER T50)

→ www.mysick.com/en/DUSTHUNTER_T

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.





DUSTHUNTER C – at a glance

- Combination of transmittance and scattered light measurement
- For very low to high dust concentrations
- For medium to large duct diameters
- Automatic check of zero and reference point
- Contamination monitoring and compensation on both sides
- Automatic self-alignment

Your benefits

- Suitable for highly fluctuating dust concentrations
- Reliable application due to redundant measurement
- Low maintenance due to self-monitoring function
- Prepared for the future to monitor decreasing limit values
- Approved according to EN 15267-3

→ www.mysick.com/en/DUSTHUNTER_C

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.



FWE200 – at a glance

- For very low to medium dust concentrations
- Gas sampling and return combined in one probe
- Contamination check
- Automatic check of zero and reference point

Your benefits

- Reliable dust measurement in wet gas
- No movable parts with contact to aggressive gas, therefore low maintenance efforts
- Installation directly at the duct due to compact design

→ www.mysick.com/en/FWE200

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.

