

## Gas analyzers series S700 for continuous measurement

### Use:

- process and laboratory measurements
- emission measurements
- gas quality control
- safety of objects



### Design of appliances:

S710 system with IP20 protection for RACK 19" mounting, suitable for emission systems and laboratories



S715 system with IP65/NEMA 4X protection, suitable e.g. for process measurements in Ex zone 2



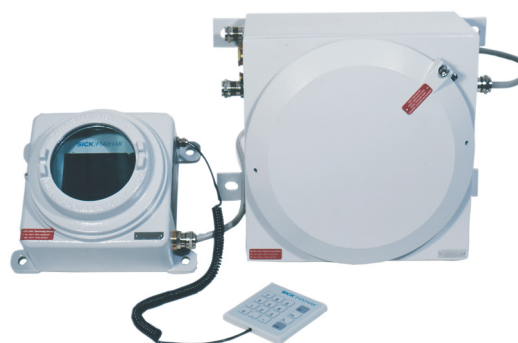
### Characteristics:

- modular system - up to 3 analyzer units with joint control electronics in one case
- optional design for use in any environment
- uniform control and functional conception
- possibility of fully automatic calibration
- internal self-checking and error diagnostics
- large LCD display, easy operation with a menu with clear texts
- selection of configuration possibilities for analog outputs for process control system connection
- optional RS232 interface for output data transfert

### Analyzer units:

- **UNOR** module measuring principle: infrared NDIR, high selectivity and accuracy
- **MULTOR** module - measuring principle: infrared NDIR, continuous measurement of up to 3 gases at the same time, correction of cross dependence
- **FINOR** module single-beam NDIR photometer based on the correlation interference filter principle (IFC)
- **THERMOR** module precise analyzer with high sensitivity to binary or quasi-binary gas compounds, based on the heat conductivity principle
- **OXOR-P** module precise oxygen analyzer with very high lifetime; the measurement is based on the movement of a pivoted magnetic vane in a homogenous magnetic field; paramagnetic properties of oxygen will cause a turning moment depending on its concentration and rotate the vane
- **OXOR-E** module precise oxygen analyzer based on the electrochemical cell principle

S720 Ex system with IP65/NEMA 7 protection, suitable e.g. for process measurements in Ex zone 1



**The catalogue sheet contains only some parameters important for your decision. For planning always require a corresponding user manual and eventually a technical consultation on the possibilities of use.**

## MONOCOLOR gas analyzer, SIDOR, complex systems

### MONOCOLOR gas analyzer

MONOCOLOR is an analyzer for quasi-continuous measurements of H<sub>2</sub>S concentration, based on the colorimetric measuring principle. The test tape with a special sensitive layer passes through the measuring system, where its color changes in response to the measured gas. The color intensity is scanned by the photometric system and it responds to the gas concentration.

#### Design:

MONOCOLOR1N  
Protection IP20



MONOCOLOR2 Ex  
Protection EEx de[ib] IIB T4



### SIDOR gas analyzer

SIDOR analyzer is similar to the S710 type of the S700 series, but it is not modular, which means that only the OXOR-P or OXOR-E module for oxygen measurement can be added to one chassis. The appliance can measure up to 2 gases using the NDIR infrared principle. It is characterized with good measurement selectivity and long time stability. It is designed primarily for CO, CO<sub>2</sub>, CH<sub>4</sub>, SO<sub>2</sub> and NO measurements. Less expensive construction materials and certain functional limitations as opposed to the S700 series analyzer modules make it possible to offer this appliance for a very favorable price.



### Complex analyzer systems

In addition to separate appliances, our company also offers the design and installation of complex systems for gas measurement and analysis made-to-measure according to our customers' needs and requirements. The systems are delivered with complete accessories (sampling probes, piping, anti-explosive protection, filters, hand and solenoid valves, gas coolers, condensate separators, etc.). The gas analyzers and accessories are incorporated in a completely equipped distribution board. If necessary, we can deliver solutions for sampling from several sampling points and subsequent processing of the measured data. Of course we offer a guarantee and after-guarantee service, calibration, consulting service, etc.



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