

## **SILOTEC<sup>®</sup>**

*Real-time smouldering fire monitoring in silos*



## **SILOTEC®** **FAST SAFETY MEASUREMENT**

Designed for continuous monitoring in coal silos and others containing potentially combustible dust hazards, *SILOTEC 8000* meets ATEX Zone 20 requirements and offers long-term operation without any maintenance.

The most important gas components to monitor for smouldering fire protection is COe.

The second most important gas molecule is O<sub>2</sub> as it gives an indication of the inert conditions in the silo, and is always related to COe if a smouldering fire is present. If O<sub>2</sub> and COe are measured simultaneously, smouldering fires can be detected and the efficiency of the inertisation is monitored.

- > Fast smouldering fire monitoring and triggering of inertisation in silos
- > Direct COe and O<sub>2</sub> measurement for ATEX Zone 20
- > Plug & Play turn-key solution for silos
- > Maintenance-free operation
- > Reliable system for increased plant safety
- > Automated self-diagnosis and cleaning
- > Simple retrofit solution

Compared to other solutions on the market for this application, *SILOTEC 8000* is installed directly on the silo roof where the sensor is situated and where measurement takes place. This enables a fast response time which is necessary for safety monitoring.

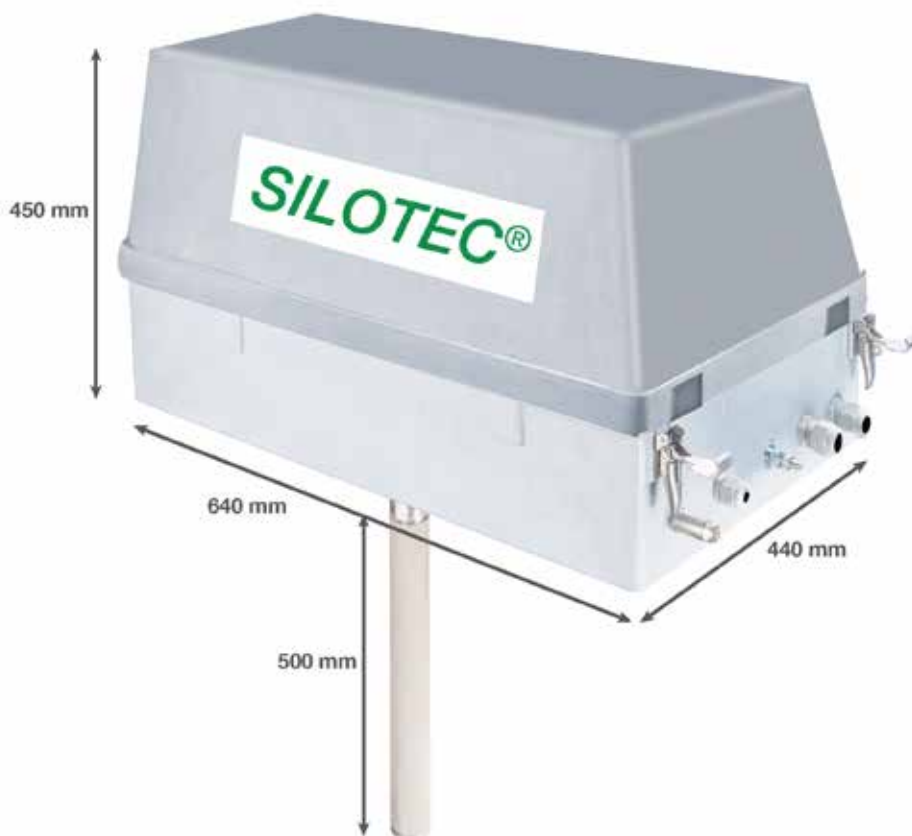
After installation and commissioning, the measurement does not require any maintenance. Automatic calibration and purging ensure highest reliability and accurate measurement with no drift.



# SILOTEC®

## TECHNICAL DETAILS

CO <sub>e</sub> / O <sub>2</sub> RANGES	0 to 5000 ppm CO <sub>e</sub> 0 - 25 % O <sub>2</sub> (others on request)	INTERFACE	HART, FIELDBUS, RS485, MODBUS RTU, RS232, ENOTEC REMOTE
SENSOR ACCURACY CO <sub>e</sub>	better ±5 % of range end	AMBIENT TEMPERATURE	-20 °C to 55 °C
SENSOR ACCURACY O <sub>2</sub>	± 0.2 % of measured value	IP CODE	IP 65
REACTION TIME	< 0,5 s	ATEX	Compliant with Zone 20



**SILOTEC®**  
**SAFE PROCESS**

**COMPANY**

ENOTEC has provided gas sensing solutions since 1980, producing products with a high degree of accuracy, quality and durability - Made in Germany.

Our flexibility allows us to quickly develop solutions individually designed to meet your problems.

On request, we also offer after delivery service concepts - the world over.

**SYSTEM FEATURES**

- > Automatic calibration as standard
- > Effective automated purging
- > COe and O<sub>2</sub> limit alarms
- > ATEX Zone 20 compliant
- > Self-monitoring
- > Low maintenance design

**CONTACT**

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