



Automatikprodukter

PRESS RELEASE

Gas Detector receives ATEX approval

The new ATEX intelligent Toxic and Combustible Gas Detectors from Automatikprodukter, Sweden have now 94/9/EG been approved, which for AP:s customers means that the ATEX 1 and 2 detectors have been independently evaluated and found to be in compliance with international safety standards for explosive environments.

The detectors offers protection against a wide range of hazardous industrial gases and can be a safeguard against oxygen deficiency.

The European Commission established the 94/9/EG directive to facilitate international trade with equipment in explosive atmospheres and hazardous locations.

Advantages with ATEX approval include reduced testing and certification costs for the manufacturer, reduced time to market, international confidence in the product assessment process and increased international confidence in ATEX-certified equipment and services.

With its advanced design, the ATEX Gas Detectors offer many valuable features including a clearly visible LED for operation, fault indication and function for remaining sensor life.

The ATEX detector is compatible with the Modbus protocol for uniform and consistent communication without disturbing the integrity of the 4-20mA analogue signal. It is also available with two 1A relays for alarms or control function.

All of the electronics is contained within an explosion-proof housing .

Additionally, the interface module´s galvanically-isolated, intrinsically-safe design supports sensor field replacement without special tools.

The advantages are in addition to more security, quick and easy exchange of the sensor head with no more calibration necessary on-site for all current gases.

Furthermore, the detector is easy to install and the grouted one can be opened in Zone 1 without disconnecting.

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Process engineers who need to protect people, equipment and the environment will find the ATEX detectors well suited for a broad range of industries:

- Petrochemical installations
- Oil and Gas production facilities
- Water and waste water treatment sites
- Power plants
- Production Industry
- Biogas plants

These are some of the hazardous environments to which ATEX can add great value.

For worldwide application, the detector complies with CENELEC, CSA, CE, UL and GOST, and is certified for use in SIL2 environments.

ATEX detectors monitor a variety of toxic and combustible gases like ammonia, carbon monoxide, n-pentane, chlorine, chlorine dioxide, hydrogen, hydrogen chloride, hydrogen sulfide, nitric oxide, nitrogen dioxide, ozone and sulfur dioxide as well as oxygen deficiency.

The system displays gas concentrations in ppm or %LEL, fault LED for trouble shooting, prompts when ex-change or calibration is needed and provides complete status to the control room.

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