GDSFX Series
Fixed Gas Detectors

KARF & SCOOT

Unparalleled Safety in Gas Detection

Experience unparalleled safety and advanced technology with the GDSFX Series Gas Detectors. As an high-end solution, the device features easy-to-see high-resolution TFT LCD panels, even in challenging lighting conditions. Designed with the user in mind and equipped with advanced features such as automatic calibration to meet the wide range of applications.

Robust Design
Backed by a comprehensive 5-year transmitter warranty, the GDSFX Series is a testament to our commitment to quality and durability. Integration with existing systems is effortless, thanks to standard Modbus, analog and relay outputs. The built-in data logging feature captures critical environmental data, essential for safety compliance and analysis.

Product Diversity & Standards
Available for 5 different sensor technologies, with more than 500 target gases/vapors in different ranges. Certified with ATEX and IECEX, the GDSFX Series meets the highest international safety standards for explosive atmospheres and soon GDSFX will be available with the SIL2 complying version.

Safety First
Certified with ATEX and IECEX, the GDSFX Series meets the highest international safety standards for explosive atmospheres. The robust build quality ensures reliable performance even in the most demanding industrial settings, while the compact and modular design makes it an ideal choice for diverse applications. Choose the GDSFX Series for its blend of advanced technology, unmatched safety features, and unwavering reliability, setting new benchmarks in fixed gas monitoring solutions.

Technical Specifications

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General Specifications	
Body	Aluminum (Optional SS 316)
Screen	TFT LCD Graphic
Butons	Magnetic Controller (x1 included)
Input - Outputs	
Operating Voltage	18~30V DC, 24V DC Nominal
Communication	RS485, Modbus RTU
Analog Output	4-20 mA
Relay Outputs	1st Alarm, 2nd Alarm and Fault relays
Sensor Types	
Catalytic Double Pellistor	Flammable and Explosive Gases
Infrared	Flammable, Explosive Gases
Electrochemical	Toxic and Suffocating Gases
PID	Toxic and Flammable VOC Gases
MSM	Methane, Hydrocarbon and Refrigerant Gases
Environmental Conditions and Mechanical Data	
Temperature	-20 ~ 60°C
Humidity	≤95% RH
Pressure	86-106 kPa
IP Class	IP65 (IP66 with optional protector cap)
Cable Glands	M20, 2x Cable Glands included
Weight	2.55 kg
Mounting Base	1x Mounting Base included
Options and Accessories	
Stainless Steel Main Body	
Extra Glands	
Stainless Steel Outdoor Roof	
IP 66 Cap	
Calibration Cap	
Approvals and Warranty	
ATEX Class	II 2G Ex db IIC T6 Gb
ATEx & IECEx Conformity	EN IEC 60079-0:2018 EN 60079-0:2017 EN 60079-1:2014
Warranty	3 Years for Transmitter exluding sensors