

<b>TFDG-EXD</b>		<b>ZONE 1 CATEGORY 2</b>	<b>CATALYTIC DETECTOR</b>	<b>ELECTRO- CHEMICAL CELL</b>	<b>OUTPUTS 4-20mA and CONTACT</b>	<b>12V DC ÷ 24V DC</b>	<b>INDOORS OR OUTDOORS -20°+50°</b>		
	Catalytic gas detector with proportional 4-20mA output for zone 1 category 2 Operating pressure 80KPa...110KPa - Max. air velocity <6m/s - Zero tracking and self-test - Plug-in calibration tool - Optional 3-relay board (to be mounted inside the casing) - Operating voltage 12V...24V DC - Max. consumption 130mA @ 12V - Die-cast aluminum casing - Dimensions (L x H x D) 130 x 155 x 90mm ATEX EXD II2G, SIL1, EMC EN 50270:2011, EN 61000								
	Detector with electrochemical cell The same as the catalytic version but max. consumption 70mA @ 12V								

**TFDG-EXD - CATALYTIC DETECTORS FOR FLAMMABLE GASES**

GAS	MODEL	ITEM NO.	GAS	MODEL	ITEM NO.
Butyl Acetate	<b>TFDG-ADB EXD</b>	<b>TF10TFDGADBEXD</b>	Diethyl Ether	<b>TFDG-ETE EXD</b>	<b>TF10TFDGETEEXD</b>
Ethyl Acetate	<b>TFDG-ADE EXD</b>	<b>TF10TFDGADEEXD</b>	Ethylene	<b>TFDG-ETL EXD</b>	<b>TF10TFDGETLEXD</b>
Vinyl Acetate	<b>TFDG-ADV EXD</b>	<b>TF10TFDGADVEXD</b>	LPG	<b>TFDG-GPL EXD</b>	<b>TF10TFDGGPLEXD</b>
Acetylene	<b>TFDG-ACL EXD</b>	<b>TF10TFDGACLEXD</b>	Hydrogen	<b>TFDG-IDR EXD</b>	<b>TF10TFDGIDREXD</b>
Acetone	<b>TFDG-ACT EXD</b>	<b>TF10TFDGACTEXD</b>	Iso Butane	<b>TFDG-IBT EXD</b>	<b>TF10TFDGIBTEXD</b>
Acetic Acid	<b>TFDG-ACA EXD</b>	<b>TF10TFDGACAEVD</b>	Iso Pentane	<b>TFDG-IPT EXD</b>	<b>TF10TFDGIPTEXD</b>
Butyl Alcohol	<b>TFDG-ALB EXD</b>	<b>TF10TFDGALBEXD</b>	Jet Propeller Fuel Type 8	<b>TFDG-JP8 EXD</b>	<b>TF10TFDGJP8EXD</b>
Ethyl Alcohol	<b>TFDG-AET EXD</b>	<b>TF10TFDGAETEXD</b>	Methane	<b>TFDG-MET EXD</b>	<b>TF10TFDGMETEXD</b>
Iso Butyl Alcohol	<b>TFDG-AIB EXD</b>	<b>TF10TFDGAIIBEXD</b>	Methyl Ethyl Ketone	<b>TFDG-MKT EXD</b>	<b>TF10TFDGMKTEXD</b>
Iso Propyl Alcohol	<b>TFDG-AIP EXD</b>	<b>TF10TFDGAIPEXD</b>	Nonane	<b>TFDG-NON EXD</b>	<b>TF10TFDGNONEXD</b>
Propyl Alcohol	<b>TFDG-APR EXD</b>	<b>TF10TFDGAPREXD</b>	Ethylene Oxide	<b>TFDG-ODE EXD</b>	<b>TF10TFDGODEEXD</b>
Ammonia	<b>TFDG-AMC EXD</b>	<b>TF10TFDGAMCEXD</b>	Pentane	<b>TFDG-PTN EXD</b>	<b>TF10TFDGPTNEXD</b>
Benzene	<b>TFDG-BNZ EXD</b>	<b>TF10TFDGBNZEXD</b>	Propane	<b>TFDG-PRP EXD</b>	<b>TF10TFDGPRPEXD</b>
Butane	<b>TFDG-BTN EXD</b>	<b>TF10TFDGBTNEXD</b>	Propylene	<b>TFDG-PRL EXD</b>	<b>TF10TFDGPRLEXD</b>
Cyclohexane	<b>TFDG-CES EXD</b>	<b>TF10TFDGCESEXD</b>	Styrene	<b>TFDG-STN EXD</b>	<b>TF10TFDGSTNEXD</b>
Cyclopentane	<b>TFDG-CPT EXD</b>	<b>TF10TFDGCPTEXD</b>	Toluene	<b>TFDG-TOL EXD</b>	<b>TF10TFDGTOLEXD</b>
Heptane	<b>TFDG-EPT EXD</b>	<b>TF10TFDGEPTEXD</b>	Tri Methylbenzene	<b>TFDG-TMB EXD</b>	<b>TF10TFDGTMEXD</b>
Hexane	<b>TFDG-ESN EXD</b>	<b>TF10TFDGESNEXD</b>	Patrol Vapors	<b>TFDG-VDB EXD</b>	<b>TF10TFDGVBEXD</b>
Ethane	<b>TFDG-ETN EXD</b>	<b>TF10TFDGETNEXD</b>	Xylene	<b>TFDG-XLN EXD</b>	<b>TF10TFDGXLNEXD</b>

**TFDG-EXD - DETECTORS WITH ELECTROCHEMICAL CELL FOR TOXIC GASES**

Toxic Ammonia	<b>TFDG-AMCT EXD</b>	<b>TF10TFDGAMCTEXD</b>	Hydrogen Sulfide	<b>TFDG-IDS EXD</b>	<b>TF10TFDGIDSEXD</b>
Sulfur Dioxide	<b>TFDG-ADS EXD</b>	<b>TF10TFDGADSEXD</b>	Nitric Oxide	<b>TFDG-MDA EXD</b>	<b>TF10TFDGMDAEXD</b>
Nitrogen Dioxide	<b>TFDG-BDA EXD</b>	<b>TF10TFDGBDAEXD</b>	Carbon Monoxide	<b>TFDG-COE EXD</b>	<b>TF10TFDGCOEEXD</b>
Chlorine	<b>TFDG-CLR EXD</b>	<b>TF10TFDGCLREXD</b>	Oxygen	<b>TFDG-OXG EXD</b>	<b>TF10TFDGOXGEXD</b>

<b>TFDG-PK</b>		<b>CATALYTIC DETECTOR</b>	<b>ELECTRO- CHEMICAL CELL</b>	<b>OUTPUTS 4-20mA and CONTACT</b>	<b>12V DC ÷ 24V DC</b>	<b>INDOORS OR OUTDOORS -10°+60°</b>		
	Catalytic gas detector with proportional 4-20mA output - Zero tracking and self-test - Plug-in calibration tool - Optional 3-relay board (to be mounted inside the casing) - Operating voltage 12V...24V DC - Max. consumption 90mA @ 12V - Operating temperature -10°C...+60°C - IP55 - Die-cast aluminum casing - Dimensions (L x H x D) 100 x 180 x 65mm							
	Detector with electrochemical cell The same as the catalytic version but max. consumption 40mA @ 12V							

**TFDG-PK - CATALYTIC DETECTORS FOR FLAMMABLE GASES**

GAS	MODEL	ITEM NO.	GAS	MODEL	ITEM NO.
LPG	<b>TFDG-GPL PK</b>	<b>TF10TFDGGLPK</b>	Patrol Vapors	<b>TFDG-VDB PK</b>	<b>TF10TFDGVBPK</b>
Methane	<b>TFDG-MET PK</b>	<b>TF10TFDGMETPK</b>			

**TFDG-PK - DETECTORS WITH ELECTROCHEMICAL CELL FOR TOXIC GASES**

Nitrogen Dioxide	<b>TFDG-BDA PK</b>	<b>TF10TFDGBDAPK</b>	Carbon Monoxide	<b>TFDG-COE PK</b>	<b>TF10TFDGCOEPK</b>
Carbon Dioxide	<b>TFDG-CO2 PK</b>	<b>TF10TFDGCO2PK</b>			

<b>TFDG-EXN</b>		 ZONE 2 CATEGORY 3	 CATALYTIC DETECTOR	 ELECTRO- CHEMICAL CELL	 OUTPUTS 4-20mA and CONTACT	 12V DC ÷ 24V DC	 INDOORS OR OUTDOORS -20°+50°	 ATEX IP55	 ALUMINUM BOX	
		Catalytic gas detector with proportional 4-20mA output for zone 2 category 3 Operating pressure 80KPa...110KPa - Max. air velocity <6m/s - Zero tracking and self-test - Plug-in calibration tool - Optional 3-relay board (to be mounted inside the casing) - Operating voltage 12V...24V DC - Max. consumption 130mA @ 12V - Die-cast aluminum casing - Dimensions (L x H x D) 106 x 170 x 65mm ATEX EXN II3G, SIL1, EMC EN 50270:2011, EN 61000								
		Detector with electrochemical cell The same as the catalytic version but max. consumption 70mA @ 12V								

#### TFDG-EXD - CATALYTIC DETECTORS FOR FLAMMABLE GASES

GAS	MODEL	ITEM NO.	GAS	MODEL	ITEM NO.
Butane	<b>TFDG-BTN EXN</b>	<b>TF10TFDGBTNEXN</b>	Propane	<b>TFDG-PRP EXN</b>	<b>TF10TFDGPRLPEN</b>
LPG	<b>TFDG-GPL EXN</b>	<b>TF10TFDGGPLEXN</b>	Patrol Vapors	<b>TFDG-VDB EXN</b>	<b>TF10TFDGVDBEXN</b>
Methane	<b>TFDG-MET EXN</b>	<b>TF10TFDGMETEXN</b>			

#### TFDG-EXD - DETECTORS WITH ELECTROCHEMICAL CELL FOR TOXIC GASES

Toxic Ammonia	<b>TFDG-AMC EXN</b>	<b>TF10TFDGAMCEXN</b>	Hydrogen Sulfide	<b>TFDG-IDS EXN</b>	<b>TF10TFDGIDSEXN</b>
Sulfur Dioxide	<b>TFDG-ADS EXN</b>	<b>TF10TFDGADSEXN</b>	Nitric Oxide	<b>TFDG-MDA EXN</b>	<b>TF10TFDGMDAEXN</b>
Nitrogen Dioxide	<b>TFDG-BDA EXN</b>	<b>TF10TFDGBDAEXN</b>	Carbon Monoxide	<b>TFDG-COE EXN</b>	<b>TF10TFDGCOEEXN</b>
Chlorine	<b>TFDG-CLR EXN</b>	<b>TF10TFDGCLREXN</b>	Oxygen	<b>TFDG-OXG EXN</b>	<b>TF10TFDGOXGEXN</b>
Ethylene	<b>TFDG-ETL EXN</b>	<b>TF10TFDGETLEXN</b>			

<b>TFDG-IP</b>		 CATALYTIC DETECTOR		 OUTPUTS 4-20mA and CONTACT	 24V DC	 INDOORS -10°+50°	 IP65	 ABS V0 BOX	
		Catalytic gas detector with proportional 4-20mA output and 0%...30% LEL catalytic sensor High selectivity and resistance to unburned gases or vapors at industrial sites - Power supply 24V DC - Max. consumption 50mA @ 12V - Operating temperature -10°C...+50°C - Surface mounting on the wall at approx. 30cm height or on the ceiling - IP65 - Casing ABS V0 - Dimensions (L x H x D) 115 x 80 x 55mm EN 50270, CEI 216-5/3							
		TFDGR-MET IP The same as TFDG-IP but with proportional 4-20mA output and free changeover relay							

#### TFDG-EXD - CATALYTIC DETECTORS FOR FLAMMABLE GASES

GAS	MODEL	ITEM NO.	GAS	MODEL	ITEM NO.
LPG	<b>TFDG-GPL IP</b>	<b>TF10TFDGGPLIP</b>	Methane	<b>TFDG-MET IP</b>	<b>TF10TFDGMETIP</b>
Hydrogen	<b>TFDD-IDR IP</b>	<b>TF10TFDGIDRIP</b>	Methane	<b>TFDGR-MET IP</b>	<b>TF10TFDGRMETIP</b>

<b>TFDG-IP</b>		 CATALYTIC DETECTOR	 ELECTRO- CHEMICAL CELL	 OUTPUTS 4-20mA	 10V DC ÷ 30V DC	 INDOORS -10°+50°	 IP55	 ABS V0 BOX	
		<b>TFDG-VDB IP</b> Patrol vapors detector with proportional 4-20mA output and 0%...30% LEL catalytic sensor High selectivity and resistance to unburned gases or vapors at industrial sites - Operating voltage 10V...30V DC - Max. consumption 95mA @ 12V - Operating temperature -10°C...+50°C - Surface mounting on the wall at approx. 30cm height - IP55 - Casing ABS V0 - Dimensions (Ø x D) 96 x 59mm EN 50270, CEI 216-5/3							
		<b>Item no. TF10TFDGVDBIP</b>							
		<b>TFDG-COE IP</b> Carbon Monoxide detector with proportional 4-20mA output and 0ppm...300ppm electrochemical cell Little sensitive to interfering gases - High measurement precision - Stand-by consumption 4mA - Operating temperature -10°C...+50°C - Surface mounting on the wall at approx. 150cm height - IP55 - Casing ABS V0 - Dimensions (Ø x D) 96 x 59mm EN 50270							
		<b>Item no. TF10TFDGCOEIP</b>							

