

## TORK GA21 EX PROOF GAS ALARM DEVICE

### TECHNICAL FEATURES

<b>Sensor Type</b>	: Semiconductor (5V)
<b>Relay Output</b>	: 7A 28VDC - 5A 240VAC
<b>Signal Output</b>	: 0/2-10mA, 0/4-20mA, 0/1-5V, 0/2-10V analog output signal
<b>Response Time</b>	: <15sn
<b>Precision</b>	: %±2
<b>Working Temperature</b>	: -10°C - +50°C
<b>Humidity</b>	: 0 - 95%RH
<b>Working Voltage</b>	: 12 - 24V DC
<b>Power Consumption</b>	: Max.4 W
<b>Audible Alarm</b>	: Piezoelektrik Buzzer
<b>Volume Level</b>	: 85 dB
<b>Body</b>	: Epoxy die aluminium cast /Etial160
<b>ATEX Classificaiton</b>	: II 2G Ex mb db IIA T4 GB
<b>Cable Input Coupling</b>	: 2G Ex db mb IIA T4 Gb
<b>Calibration Time</b>	: 1,5 min
<b>IP Protection</b>	: IP65 body/IP55(Sinter)
<b>Dimensions/Weight</b>	: 168x130x76,3mm / 850gr
<b>Danger Zone Boundary</b>	: Zone 1
<b>Certificates</b>	: (EN 60079-1:2014), (EN 60079-18:2015), (EN IEC 60079-0:2018)
<b>Detected Gases</b>	: Natural gas (methan), LPG, Methan (CH4), Smoke, Alcohol, Hydrogen, Ammonia (NH3), Air Quality (on request)



### WORKING PRINCIPLE

Gas alarm device is a device that detects explosive gases in the environment. 1.5 minutes after the supply voltage is applied, the sensor warms up and the device reaches its normal detection level. It is not recommended to test with any gas before this period expires. If the gas leakage level is above the set limit value, the device will give an alarm and the device will continue to alarm as long as it is above the limit level. The device automatically turns off the alarm when it falls below the set limit level. If the gas valve is to be closed or the gas to be evacuated from the environment under alarm conditions, the desired system can be controlled by using the output relays of the gas alarm device. Analog output signals in the device PLC etc. It can be controlled by connecting to systems such as By changing the sensor head, different gases can be detected.

### SIZES

