

# *E-TD-S1/M*

## *GAS DETECTOR*

### *TECHNICAL DATA SHEET*



- \* *Detects combustible gases and vapours*
- \* *ATEX certified Ex protection*
- \* *Semiconductor sensor*
- \* *%VOL measuring range*

#### **FEATURES**

<u>Type:</u>	E-TD-S1/M
<u>Protection marking:</u>	⊕ II 2G Ex de IIB+H <sub>2</sub> T5
<u>Ambient temperature:</u>	-20 – +50 °C
<u>Air pressure:</u>	900 – 1100hPa
<u>Humidity:</u>	15 – 90RH%
<u>Ingress protection</u> {MSZ EN 60529:2001}:	IP54
<u>Built-in detector:</u>	TD-S1
<u>Measuring range:</u>	0 – 100 LEL%
<u>Output electric signal:</u>	concentration dependent resistance

<u>Characteristic operational velocity:</u>			
<u>Material:</u>	<u>Type of detector:</u>	<u>t<sub>50</sub>:</u>	<u>t<sub>90</sub>:</u>
hidrogen	TGS-813	4s	15s
metbane	TGS-842	5s	9s
propane-buthane	TGS-842	7s	11s

<u>Power supply:</u>	5V ± 0,2V DC
<u>Highest nominal current drain:</u>	167mA
<u>Highest nominal power:</u>	835
<u>Contact protection</u> {IEC 364-4-41}:	FELV
<u>Connectable cable diameter:</u>	7 – 12mm with reducer ring, 12 – 17mm without reducer ring
<u>Number of connecting conductor wires:</u>	4 pcs
<u>Connectable wire cross-section:</u>	0,5 – 2,5mm <sup>2</sup> stranded or compact
<u>Weight</u> {with stand}:	0,9 kg.



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