

DGTkex Gas Detector

ATEX Marking:	<p>⊕ II 2G Ex db IIC T6 Gb EESF 19 ATEX 008X For zones 21 and 22: ⊕ II 2G Ex db IIC T6 Gb ⊕ II 2 D Ex tb IIC T85 °C Db EESF 19 ATEX 008X</p>
Sensor Type:	Catalytic (pellistor)
Output Signals:	4...20 mA, linear response
Operating Voltage:	24 VDC ±20%, regulated
Current:	120mA (Max.)
Cabling:	3-electrode, 4-wire connection, For correct cable specification refer to EN 60079-14
Typical T90 Response:	according to IEC 60079-29-1
Operating temperature:	

Atex zone 1,2 DGTkex	Atex zone 21,22 DGTkex (D)
-40...+65 °C	-20...+65 °C

Operating Humidity:	0...95% RH, non-condensing
Degree of Protection:	IP65
Weight:	1,8 kg

Note:	<p>Calibration and test gas concentration must not exceed the range of the detector. In case of flammable gas the concentration must be 0 – 50 %LEL.</p> <p>When exposed to a shock e.g. a drop, DGTkex must be recalibrated.</p> <p>Incorrect connections may damage the device. Sensor head shall be directed downwards.</p> <p>DGTkex can be installed in ATEX zone 1 (G), 2 (G).</p> <p>DGTkex (D) can be installed in ATEX zone 21 (D) and 22 (D).</p>
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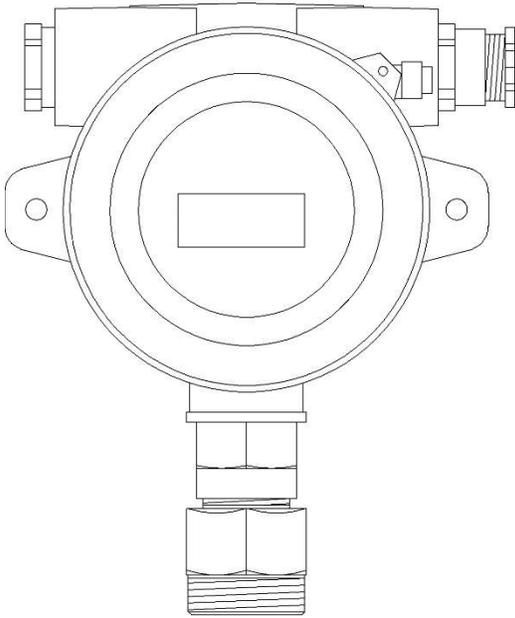


Figure 7, DGTkex gas detector general view.

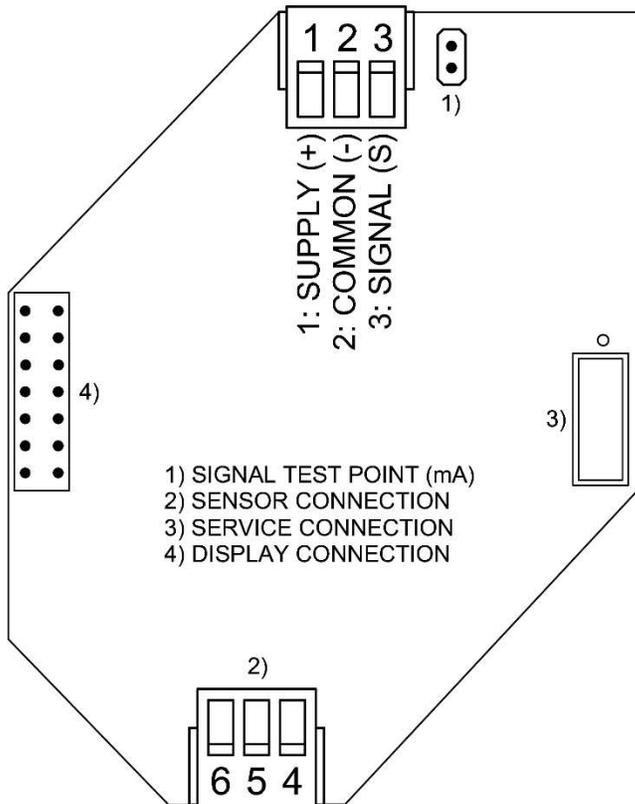


Figure 8, DGTkex terminal blocks on the circuit board.

NB! MAKE SURE THERE IS NO RISK OF EXPLOSION!
Check the working environment with portable gas detector of right Ex class before carrying out the connections.
Do not make any connections when circuits alive!