

DGTeex Gas Detector

ATEX Marking:	<p>⊕ II 2 G Ex d IIC T6 VTT 09 ATEX 063X For zones 21 and 22: ⊕ II 2 G Ex d IIC T6 ⊕ II 2 D Ex tD A21 T 85 °C IP 65 VTT 09 ATEX 063X</p>
Sensor Type:	Electrochemical
Output Signals:	4...20 mA, linear response
Operating Voltage:	24 VDC ±20%, regulated
Operating Current:	120 mA (Max.)
Cabling:	3-electrode, 4-wire connection, For correct cable specification refer to EN 60079-14
Typical T90 Response:	according to the cell in use, ask manufacturer
Operating Temperature:	according to the cell in use, ask manufacturer
Operating Humidity:	15...90% RH, non-condensing
Degree of Protection:	IP65
Weight:	1,8 kg
Note:	<p>When exposed to a shock e.g. a drop, DGTeex must be recalibrated.</p> <p>Incorrect connections may damage the device. Sensor head shall be directed downwards.</p> <p>DGTeex can be installed in ATEX zone 1 (G), 2 (G).</p> <p>DGTeex (D) can be installed in ATEX zone 21 (D) and 22 (D).</p> <p>To stabilize the ammonia sensor element make sure the gas detector supply voltage is uninterrupted for 48 hours before testing or calibration. Please consider even the shortest power outages.</p>

Special conditions (X) for safe use of EC-type examination certificate:

Allowed ambient range: -40 +80 °C. Observe! Actual operating temperature

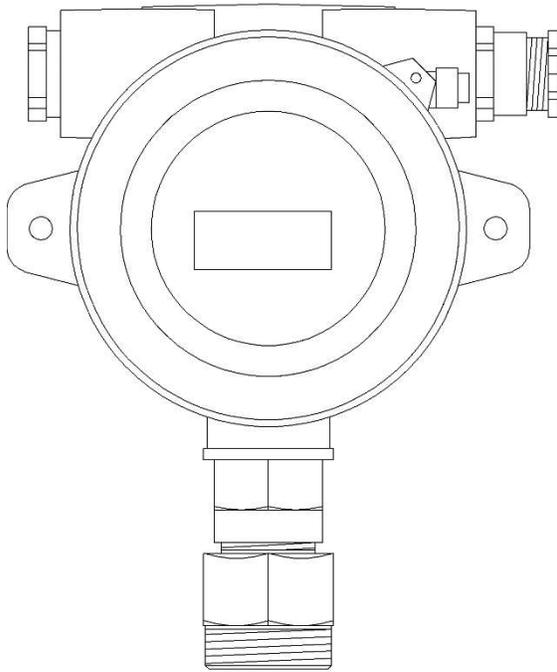


Figure 11, DGTeex gas detector general view.

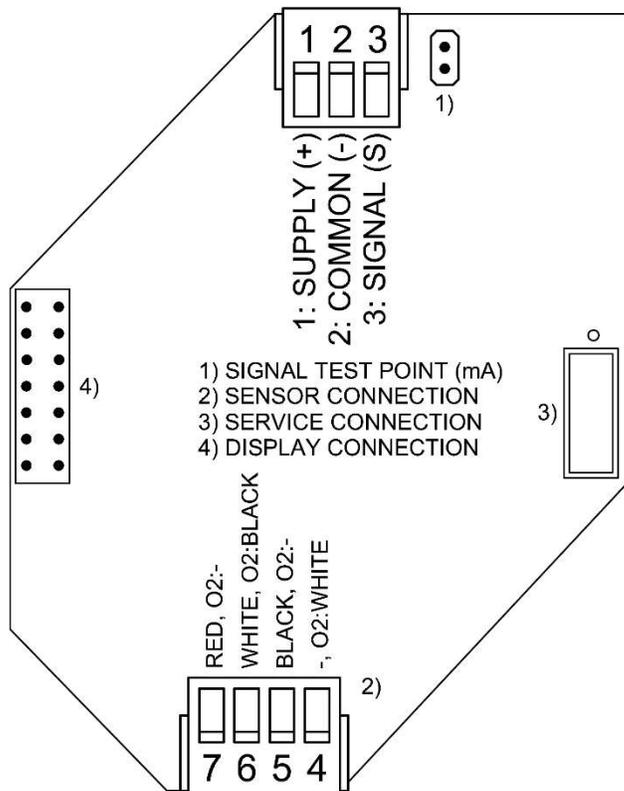


Figure 12, DGTeex terminal blocks and its place on the circuit board.

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 are alive.