
DGTi2-ex Gas Detector

ATEX Marking:	 II 3 G Ex ec II C T4 Gc
Sensor Type:	NDIR (Non Dispersive InfraRed)
Output Signals:	4...20 mA, linear response
Operating Voltage:	24 DVC \pm 20 %, regulated
Operating Power:	3,0 W max
Cabling:	4-electrode, 4-wire connection, For correct cable specification refer to EN 60079-14
Sensor Life (clean air):	5 years, typical
Typical T90 Response:	< 60 seconds, typical
Operating Temperature:	-20...+50 °C
Operating Humidity:	0...95% RH, non-condensing
Degree of Protection:	IP54
Weight:	450 g
Note:	Calibration is done by using IR Communicator. Keep the red IR lens at the side of the device visible. Recalibrate: <ul style="list-style-type: none">• at least once a year.• if on-site ambient pressure deviates more than \pm5 % from normal pressure.• if exposed to a shock e.g. a drop. Incorrect connections may damage the device. DGTi2-ex and DGTi2r-ex can be installed in ATEX zone 2.
Indication lights:	Constant green: Normal operation mode. Constant yellow: Sensor failure. Blinking red: Gas alarm. Blinking will stop when the gas concentration is lower than the alarm limit.

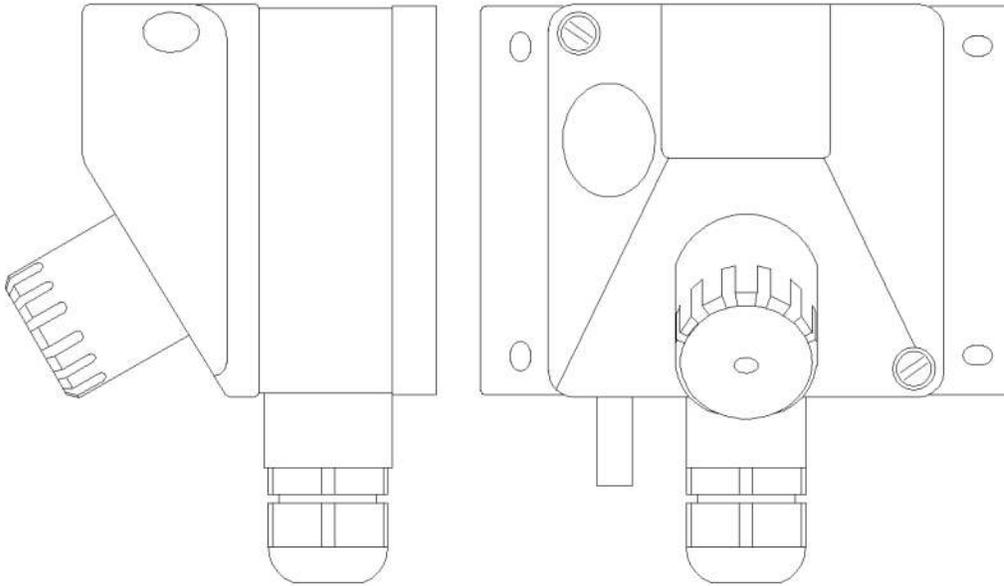


Figure 15, DGTi2-ex and DGTi2r-ex gas detector general view.

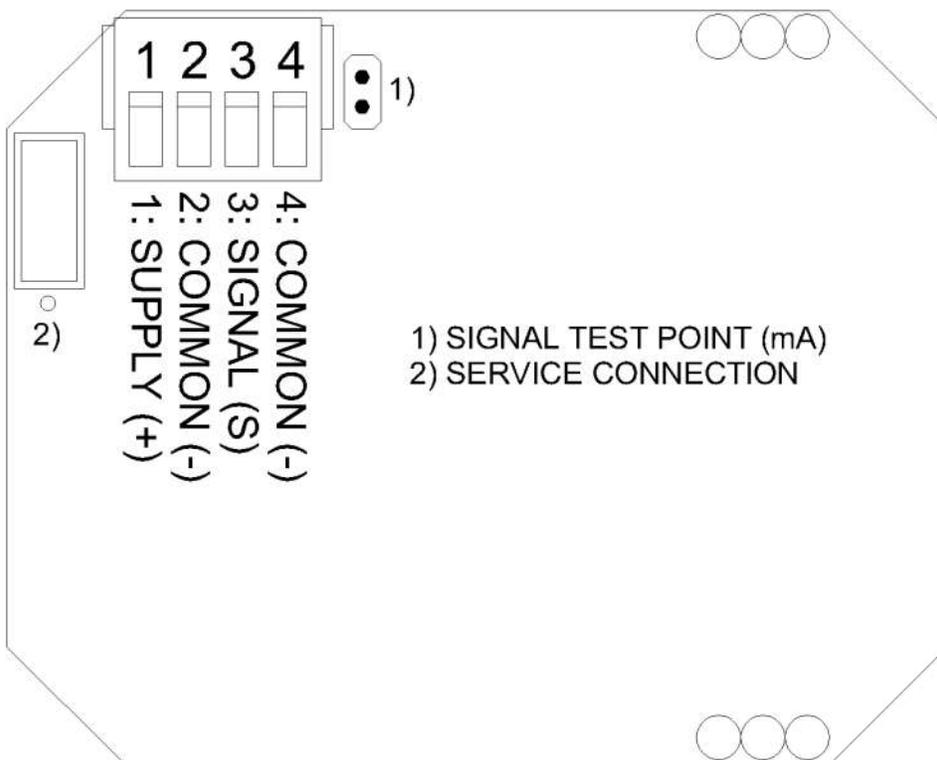


Figure 16, DGTi2-ex terminal blocks and its place on the circuit board.

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 alive!