

DGTec2 Gas Detector

| | |
|--------------------------------------|---|
| Sensor Type: | Electrochemical |
| Output Signal: | 4...20 mA, linear response |
| Operating Voltage: | see figures, regulated |
| Max. Power Consumption: | 0.9 W |
| Cabling: | 2-wire connection, e.g. JAMAK 2x(2+1)x0.5 mm ² |
| Typical Sensor Life in clean air: | 1...3 years depending on the type of sensor |
| Typical T90 Response: | 10...150 seconds depending on the type of sensor |
| Operating Temperature: | according to the cell in use, ask manufacturer |
| Operating Humidity: | O ₂ sensor 0...99% RH, for other sensors 15...90% RH, non-condensing |
| Degree of Protection: | IP54 |
| Weight: | 450 g |
| Note: | The calibration is done by using the handheld calibration device (IRC) via infrared link. Therefore the infrared lens of the device must be clearly visible. If ambient air pressure differs more than 5% from normal atmospheric, the detector shall be recalibrated at the installation site. |

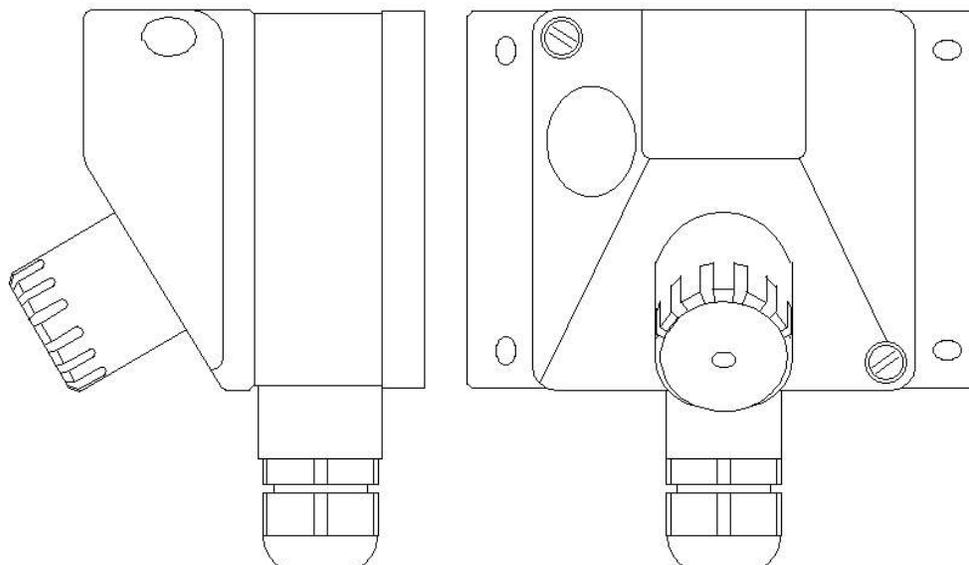
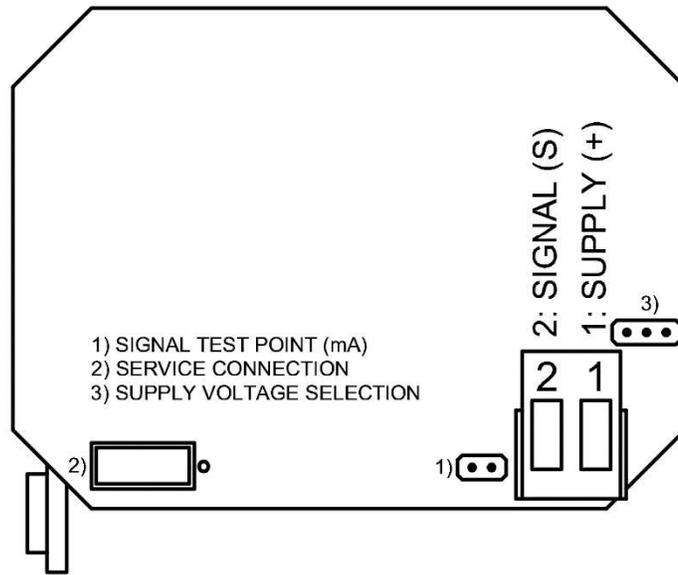


Figure 13, DGTec2 gas detector general view. The model and the size of the sensor protection depend on the type of the gas specific sensor. Duct mounted DGTec2d is also available.



3) SUPPLY VOLTAGE SELECTION

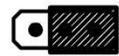
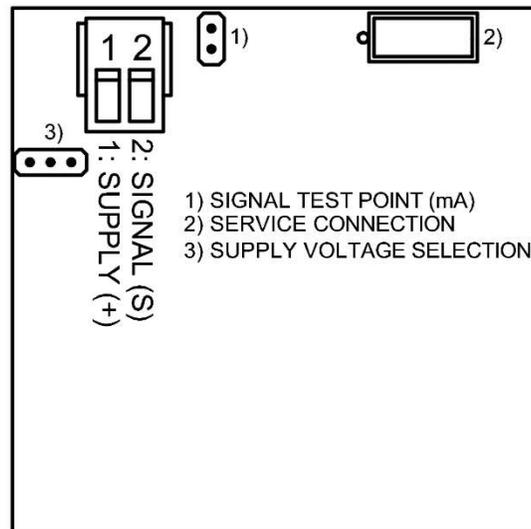
-  SUPPLY VOLTAGE LO 20-34 V
-  SUPPLY VOLTAGE HI 24-40 V

Figure 14, DGTec2 connections and layout on the circuit board. The circuit board version depends on the target gas.



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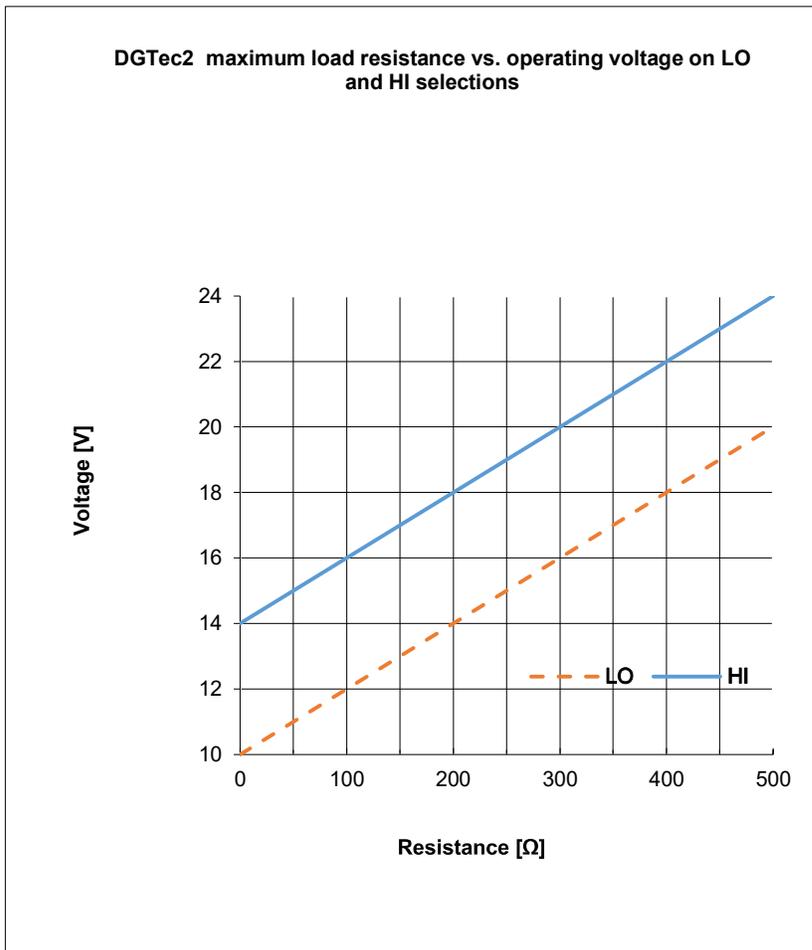


Figure 16, DGTec2 operating voltage and maximum load resistance.