



Ex-DGM525

Ex - DGM

Ex II 2G Ex d e IIC T6 Gb

Ex II 1/2D Ex ta/tb IIIC T80 °C Da/Db



SIL 2 according IEC 61508-2

Technical data

Pressure connection

External thread G 1/2 to DIN 16 288 and internal thread G 1/4 to ISO 228 Part 1 (permissible up to 4 bar).

Switching device

Seawater-resistant diecast aluminium GD Al Si 12.

Degree of protection

IP 65

Pressure sensor materials

See Product Summary

Ambient temperature

-20 to +60°C. At ambient temperatures below 0°C, ensure that condensation cannot occur in the sensor or in the switching device.

Maximum working pressure

See Product Summary

Mounting

Either directly on the pipe or with two 4 mm ø screws on the wall surface.

Mounting position

Vertically upright

Setting

Continuously adjustable via the setting spindle with a screwdriver. The set switching pressure is visible in the scale window.

Switching differentials

Largely independent of the set switching pressure. Not adjustable. For values see Product Summary.

Switching capacity	250 VAC		250 VDC		24 VDC	
	(ohm)	(ind)	(ohm)	(ohm)	(ohm)	(ohm)
Ex-d	3 A	2 A	0.03 A		3 A	

Pressure measuring connection

Care must be taken to ensure that a pressure measuring connection is available in a suitable place on the gas appliance.

Component tested for

Fuel gases according to DVGW Worksheet G 260

Testing basis

DIN EN1854

Function

Pressure monitor

Direction of action

For maximum and minimum pressure monitoring

Product Summary

Type	Setting range	Switching differential (mean values)	Max. working pressure	Materials in contact with medium	Dimensioned drawing
Ex-DGM506	15...60 mbar	10 mbar	5 bar	1.4104	
Ex-DGM516	40...160 mbar	12 mbar	5 bar	1.4104	3 + 12
Ex-DGM525	100...250 mbar	20 mbar	5 bar	1.4104	

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Calibration

The **Ex-DGM** series is calibrated for rising pressure. This means that the adjustable switching pressure on the scale corresponds to the switching point at rising pressure. The reset point is lower by the amount of the switching differential. (See also page 23, 2. Calibration at upper switching point).

For other pressure ranges see type series DWR, page 65