



Ex-DGM525

Ex - DGM

II 2G Ex d e IIC T6 Gb

II 1/2D Ex ta/tb IIIC T80 °C Da/Db

DVGW tested to DIN EN1854
Gas pressure monitors are suitable
for all gases in accordance with DVGW work
sheet G260 and for air.



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 die cast aluminium
GD Al Si 12.

Protection class

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 screw driver. 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	
	(ohm)	(ind)	(ohm)	(ohm)
Ex-d	3 A	2 A	0.1 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 work sheet 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
page 21 + 22					
Ex-DGM506	15...60 mbar	10 mbar	5 bar	1.4104	
Ex-DGM516	40...160 mbar	12 mbar	5 bar	1.4104	4 + 12
Ex-DGM525	100...250 mbar	20 mbar	5 bar	1.4104	

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 66



Protection Class:
IP 65