



DGM310A

DGM

Pressure monitors for fuel gases

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 54 for vertical installation position.

Pressure sensor materials

See Product Summary

Ambient temperature

-25 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 and horizontal.

Setting

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

Sealing P2

On request (can be fitted later).

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)
Normal	8 A	5 A	0.3 A	8 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
					p. 21 + 22
DGM306A	15...60 mbar	6 mbar	0.8 bar	CU + Ms	
DGM310A	20...100 mbar	7 mbar	0.8 bar	CU + Ms	1 + 13
DGM325A	40...250 mbar	10 mbar	0.8 bar	CU + Ms	
DGM06A	100...600 mbar	25 mbar	2 bar	CU + Ms	1 + 14
DGM1A	0.2...1.6 bar	40 mbar	3 bar	CU + Ms	
DGM506	15...60 mbar	8 mbar	5 bar	1.4104	
DGM516	40...160 mbar	12 mbar	5 bar	1.4104	1 + 12
DGM525	100...250 mbar	20 mbar	5 bar	1.4104	

Calibration


The **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 55.

Ex-i version (intrinsically safe)

As above, but with additional function ZF513 (Ex-i).

Example for ordering: **DGM516-513**

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