

- 3-digit 14 mm LED contact gauge
- 80mm stainless steel bayonet lock case
- Ranges from 25 mbar to 250 bar
- Dry ceramic sensor
- Analog output: 0(4)...20 mA, 0...10 V
- 2 DC PNP contact setpoints, max 50 mA
- Available with all standard process connections, hence also suitable for applications in food, beverage and pharmaceutical industries



Digital-Contact-Gauge IPM 82

Technical data:

Ranges:	0...25 mbar to 0...250 bar
Analog output:	0(4)...20 mA, 0...10 V
Contact output:	DC PNP, max. 50 mA
Global error:	< 0,5% v. F.S.
Response time :	200 ms (others on request)
Power supply:	19...30V DC
Ambient temperature:	0...70 °C
Fluid temperature:	-25...100 °C (125 °C < 0,5h)
Thermal drift:	< 0,02%/K (zero) < 0,02%/K (span)
Long-term stability:	< 0,2% p. a.
Bayonet lock case:	stainless steel, 1.4301, IP 65
Process connection:	see table
Sensor:	Ceramic AL ₂ O ₃
Electric connection:	M12, 4 or 5 pin connector

Ranges

range	gauge	overload (bar)
-20...20 mbar	C2	- 0,3 / 4
0...25 mbar	A7	- 0,3 / 4
0...40 mbar	A8	- 0,3 / 4
0...50 mbar	B0	- 0,3 / 4
0...60 mbar	A9	- 0,3 / 4
-100...100 mbar	C5	- 1 / 6
0...100 mbar	00	- 0,3 / 4
0...160 mbar	01	- 0,6 / 5
0...200 mbar	B1	- 1 / 6
0...250 mbar	02	- 1 / 6
0...400 mbar	03	- 1 / 6
0...500 mbar	B7	- 1 / 3
0...600 mbar	04	- 1 / 3
0...1 bar	05	- 1 / 3
0...1,6 bar	06	- 1 / 4
0...2 bar	B3	- 1 / 6
0...2,5 bar	07	- 1 / 6
0...4 bar	08	- 1 / 10
0...5 bar	F1	- 1 / 15
0...6 bar	09	- 1 / 15
0...10 bar	10	- 1 / 25
0...16 bar	11	- 1 / 40
0...20 bar	B5	- 1 / 60
0...25 bar	12	- 1 / 60
0...40 bar	13	- 1 / 100
0...50 bar	F3	- 1 / 150
0...60 bar	14	- 1 / 150
0...100 bar	15	- 1 / 175
0...160 bar	16	- 1 / 280
0...250 bar	17	- 1 / 400
-1...1 bar	D6	- 1 / 4
-1...1,5 bar	D7	- 1 / 4
-1...3 bar	D8	- 1 / 10
-1...5 bar	D9	- 1 / 15
-1...9 bar	E1	- 1 / 25

Ordering Code

Analog output signal

- 0 without
- 1 0...10V 3-wire (on request)
- 2 0...20 mA 3-wire
- 3 4...20 mA 3-wire

Contact output

- 1 single
- 2 double

Ranges

- see table
- 99 non standard range (on request)

Process connection and material

- 3 G 1/2 B DIN 16288 1.4404
- F G 1A 1.4404
- M Dairy thread ND 25 DIN 11851 1.4404
- 6 Dairy thread ND 32 DIN 11851 1.4404
- 7 Dairy thread ND 40 DIN 11851 1.4404
- K Dairy thread ND 40 aseptisch 1.4404
- N DRD flange ND 65 1.4404
- J Varivent 50/40 1.4404
- L Clamp 1", ND 25...40, 1.4404
- W Clamp 2", ND 50, 1.4404
- 9 others on request

Sensor seal

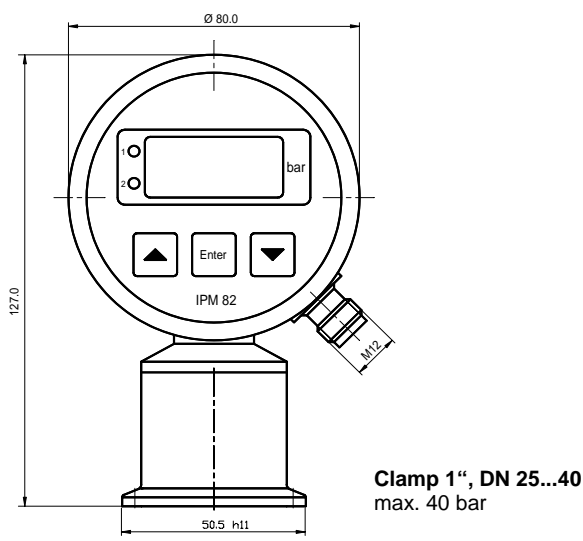
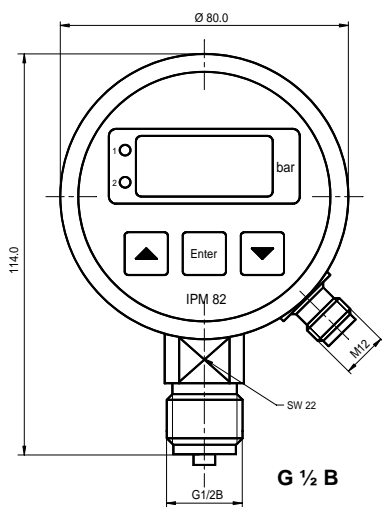
- 1 FPM (Viton) standard
- 2 NBR (Nitril)
- 3 EPDM-Kautschuk
- 4 Fluor-Silikon-Rubber
- 5 Kalrez
- 9 others on request

Options

- 0 no options
- 1 Display reduced to 2 digits

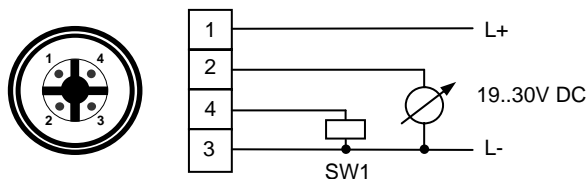


Dimensions (mm)

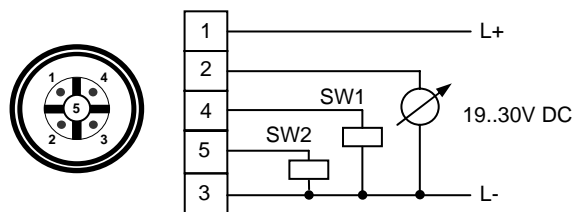


Electrical connections

Connector M 12 4-pin



Connector M 12 5-pin



Modifications reserved without notice 03.06