

Homogenizer Pressure Gauge with transmitter

08.MOM

Type 08.MOM - DS 100

- ✓ - Sterilization temperature: +150°C max.
- ✓ - Double elastic element: Bourdon tube and ceramic sensor.
- ✓ - Vibrations and pulsations proof.
- ✓ - EMC immunity: as per EN 61326.
- ✓ - Wiring: shieldless cable.
- ✓ - Calibration: adjustable.

CE Compliance to requirements of directives:
EMC 89/336/EEC - PED 97/23/EC.



74-02
Authorization NO. 597

Functional, electrical and constructive characteristics

Ranges: 0...100/0...600 bar, relative.
Accuracy (%F.S.V.): local readout, - 1,0; transmitter, - 0,5.
Working pressure (%F.S.V.): max 75%.
Overpressure: non suitable.
Ambient temperature: -10...+65 °C.
Process fluid temperature: -10...+120 °C.

Output signals: 4...20 mA, 0...5 Vdc, 0...10 Vdc.
Sensor calibration: limit-point as per DIN 16086.
Zero calibration: ± 10 % F.S.V. typical.
Range calibration: ± 10 % F.S.V. typical.
Compensated temperature range: -10...+80 °C.
Thermal drift: - 0,02 % F.S.V./°C.
Annual drift: - 0,2 % F.S.V.
Supply and max load: see page 2.

08.MOM.1 - Dry, not filled

Electric connection: junction box as per VDE with exit for cables ø 7...13.
Sensor: ceramic.
Protection: IP 55 as per IEC 529.
Diaphragm: AISI 316L st.st.
Process connection: AISI 316L st.st.
Elastic element: AISI 316L st.st., seamless tube.
Welding: AISI 316 TIG.
Case: AISI 304 st.st.
Ring: AISI 304 st.st., bayonet lock.
Window: safety glass.
Movement: stainless steel with internal limit stops for minimum and maximum pressure.
Dial: aluminium, white with black markings.
Pointer: aluminium, micrometric adjustable.
Gaskets: EPDM.

08.MOM.3 - Liquid filled

Filling liquid: dielectric oil.
Protection: IP 65 as per IEC 529.
Window gasket: siliconic gum.
Blow out vent & filling plug: VITON.
Other features: as per 08.MOM.1.

RANGES

TAB. 1

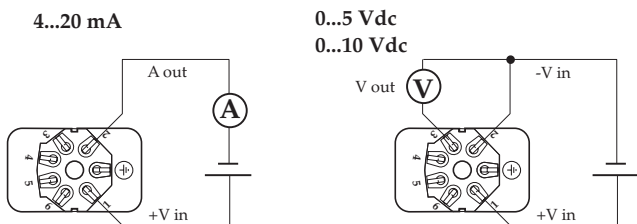
Ranges	bar	bar ext.	bar ext.
		psi int.	MPa int.
0...100	◆	◆	◆
0...160	◆	◆	◆
0...250	◆	◆	◆
0...400	◆	◆	◆
0...600	◆	◆	◆

TAB. 2

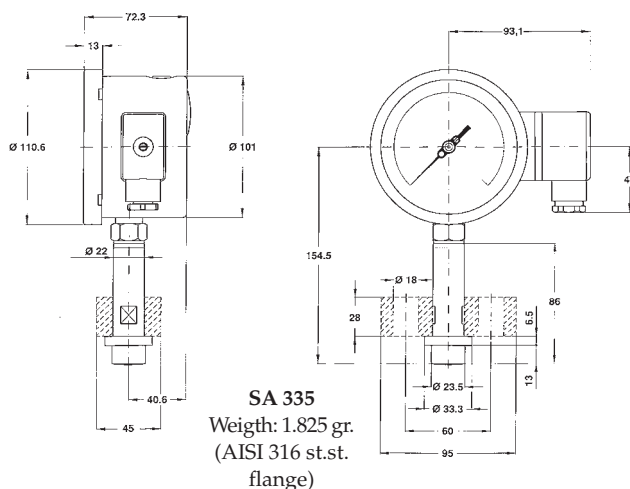
Ranges	psi	psi int.	psi ext.	psi ext.
		kPa ext.	bar int.	Kg/cm ² int.
0...1500	◆	◆	◆	◆
0...2000	◆	◆	◆	◆
0...3000	◆	◆	◆	◆
0...4000	◆	◆	◆	◆
0...5000	◆	◆	◆	◆
0...6000	◆	◆	◆	◆
0...10000	◆	◆	◆	◆

WIRING

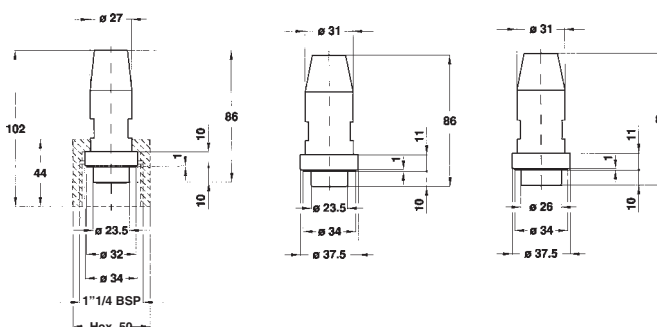
Output signals	4...20 mA	0...5 Vdc	0...10 Vdc
N. wires	2	3	3
Load (Ohm)	$R_L - (V_{in}-10)/0,02$	5 KOhm min.	10 KOhm min.
Supply: +V _{in}	10...30	8...30	14...30
Ground	(pls. refer to Installation Manual)		



WEIGHTS AND DIMENSIONS (mm.)



SA 308 Weigth: 1.530 gr. (AISI 316 st.st. nut)
SA 167 Weigth: 1.290 gr.
SA 422 Weigth: 1.305 gr.



ORDER-CODE:

08	08 - electronic instruments
MOM	MOM - homogenizer gauge with transmitter
1	1 - dry, not filled 3 - liquid filled
AED	
0/160 bar	See range tables
308	Process connections 335 - dwg. SA 335, with flange 308 - dwg. SA 308, with nut 167 - dwg. SA 167 422 - dwg. SA 422
10E	10E - 4...20 mA; +V _{in} :10...30 Vdc 40F - 0...5 Vdc; +V _{in} : 8...30 Vdc 50D - 0...10 Vdc; +V _{in} :14...30 Vdc
S15	See options table

OPTIONS

DESCRIPTION	CODE
Calibration certificate	C01
Process connection dwg. SA 308, without nut	S15
Process connection dwg. SA 335, without flange	SF1
Maximum pointer IP 65 (1)	L22
Plexiglas window	T31

(1) with plexiglas window only.



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