

pressure transmitter with local readout, for homogenizer DS 4" (100mm)



EMC 2014/30/EU
PED 2014/68/EU



74-06

Authorization NO. 1599

Ranges: from 0...1500 to 0...20000 psi, relative
(from 0...100 to 0...1600 bar or equivalent units).
Accuracy (% VFS): local readout, ≤ 1.0 (≤ 1.6 for pressure ranges > 8700 psi - 600 bar); transmitter, ≤ 0.5 .
Working pressure: 75% max of FSV.
Over pressure: not suitable.
Ambient temperature: 14...+149 °F (-10...+65 °C).
Process temperature: 14...+248 °F (-10...+120 °C).
Max 302°F (150 °C) for 1 hour during sterilization (S.I.P)¹.
Output signals: for pressure ranges ≤ 8700 psi (600 bar) :
4...20 mA, 0...5 Vdc, 0...10 Vdc;
for pressure ranges > 8700 psi (600 bar) : 4...20 mA.
Sensor calibration : limit-point as per DIN 16086.
Zero calibration: ± 10 % span typical.
Span calibration: ± 10 % span typical.
Compensated temperature range: 14...+176 °F; (-10...+80 °C).
Thermal drift: ≤ 0.011 % span / °F ($\leq 0,02$ % span/ °C).
Annual drift: $\leq 0,2$ % of span.
Supply and max load: see on page 2.
These sensors require a Manual (COP) Cleaning.

1) S.I.P. = Steamed In Place

8.MOM.1 - Standard Model

Designation code: S1 as per EN 837-2.
Electric connection: junction box as per VDE with exit
for cables $\varnothing 0.27...0.51$ " (7...13mm).
Sensor: ceramic thick film or stainless steel thin film.
Protection degree: IP 55 as per EN 60529/IEC 529.
Diaphragm: AISI 316L st.st.
Diaphragm seal: AISI 316L st.st. with finishing $Ra \leq 0,8 \mu m$ (welded
parts included).
Bourdon tube: AISI 316L st.st. seamless tube.
Ring: stainless steel, bayonet lock.
Window: tempered glass.
Movement: stainless steel.
Dial: aluminium, white with black markings.
Pointer: adjustable, aluminium, black.

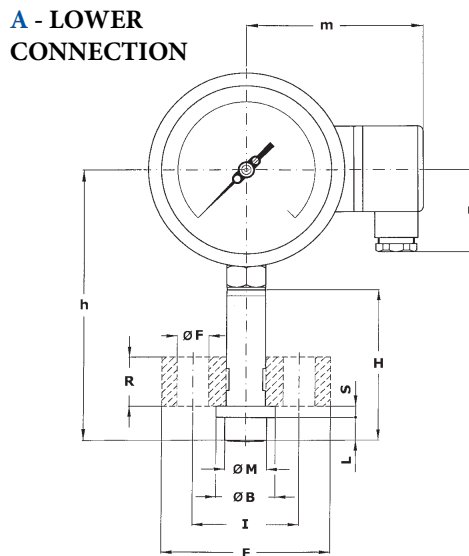
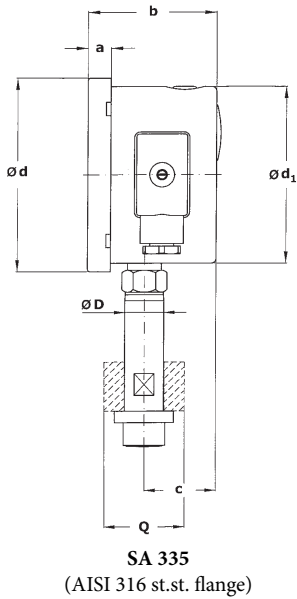
8.MOM.3 - Filled Model

Filling liquid: dielectric oil.
Protection degree: IP 67 as per EN 60529/IEC 529.
Other features: as standard model.

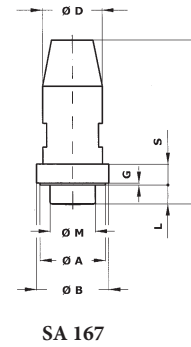
**pressure transmitter with local readout,
for homogenizer, DS 4" (100mm)**

MT OM

RC6 - 02/16



a	b	c	d	d ₁	h	m	n
0.51"	2.84"	1.59"	4.35"	3.97"	6.08"	3.66"	1.85"
(13)	(72,3)	(40,6)	(110,6)	(101)	(154,5)	(93,1)	(47)

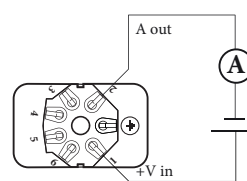


Drawing	Ø D	Ø M	Ø A	Ø B	H	S	G	L	Es	E	Ø F	I	R	Q	T	Weight
335 SA 335	0.86"	0.95"		1.30"	3.38"	0.33"		0.51"		3.74"	0.70"	2.36"	1.10"	1.77"		4.01 lbs (1,82 kg)
167 SA 167	1.22"	0.95"	1.33"	1.47"	3.38"	0.43"	0.04"	0.39"								2.84 lbs (1,29 kg)

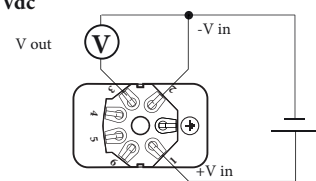
dimensions : inches (mm)

Output signals	4...20 mA	0...5 Vdc	0...10 Vdc
	1	4	5
Nr. of wires	2	3	3
Load (Ohm)	$R_L \leq (V_{in}-10)/0,02$	$R_L \geq 5 \text{ K}\Omega$	$R_L \geq 10 \text{ K}\Omega$
Supply: +Vin	10...30	8...30	14...30
Ground	(pls. refer to Installation Manual)		

4...20 mA



0...5 Vdc
0...10 Vdc



OPTIONS

C01 - Calibration report
S35 - Process connection dwg. SA 335, without flange
T31 - Plexiglas window

“HOW TO ORDER” SEQUENCE

Section / Model / Case / Mounting / Diameter / Range / Process connection / Output signal / Options

8 MOM 1 A E 335 1 C01
167 3 4 S35
5 T31

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