MT OM

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

74-06
Authorization NO. 1599

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

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* (≤ 0,02 % span/ °C).
Annual drift: ≤ 0,2 % of span.
Supply and max load: see on page 2.
These types of sensors are intended for 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 ø *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 ≤0,8 µm (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.

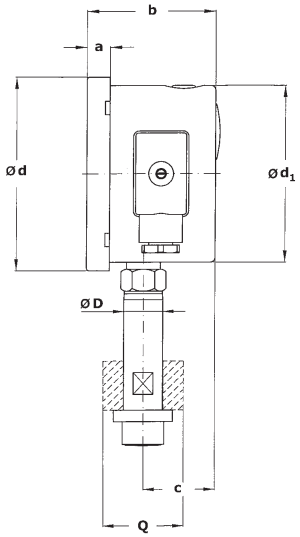
8.MOM.3 - Filled Model

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)

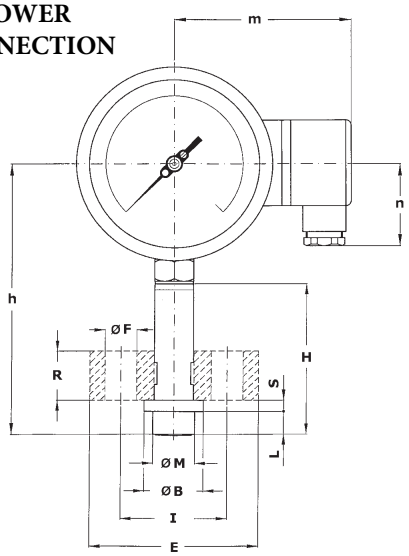
MT OM

RC6 - 02/16

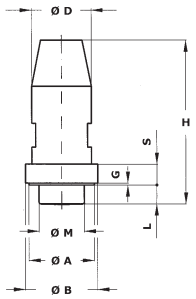


SA 335
(AISI 316 st.st. flange)

A - LOWER CONNECTION



a	b	c	d	d_1	h	m	n
0.51" (13)	*2,84"* (72,3)	*1.59"* (40,6)	*4.35"* (110,6)	*3.97"* (101)	*6.08"* (154,5)	*3.66"* (93,1)	*1.85"* (47)



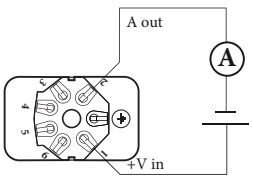
SA 167

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"* (22)	*0.95"* (23,5)		*1.30"* (33,3)	*3.38"* (86)	*0.33"* (8,5)		*0.51"* (13)		*3.74"* (95)	*0.70"* (18)	*2.36"* (60)	*1.10"* (28)	*1.77"* (45)		*4.01 lbs* (1,82 kg)
167 SA 167	*1.22"* (31)	*0.95"* (23,5)	*1.33"* (34)	*1.47"* (37,5)	*3.38"* (86)	*0.43"* (11)	*0.04"* (1)	*0.39"* (10)								*2.84 lbs* (1,29 kg)

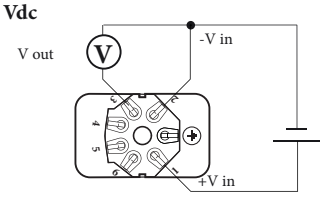
dimensions : *inches* (mm)

Output signals	4...20 mA 1	0...5 Vdc 4	0...10 Vdc 5
Nr. of wires	2	3	3
Load (Ohm)	$R_L \leq$ (Vin-10)/0,02	$R_L \geq 5$ KΩ	$R_L \geq 10$ KΩ
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
		3			167	4	S35
						5	T31

NUOVA FIMA USA Inc.
www.nuovafima.com - e-mail: infousa@nuovafima.com
4123 Hollister, Suite G - TX 77080 Houston
TEL. +1 713.690.9800 - FAX +1 713.690.9803

NUOVA FIMA srl
www.nuovafima.com - e-mail: info@nuovafima.com
P.O. BOX 58 - VIA C. BATTISTI 59 - 28045 INVORIO (NO) ITALY
TEL. +39 0322 253200 - FAX +39 0322 253232