

Type SA-11 Sanitary Pressure Transmitter

Special features

- Compliant with 3A sanitary criteria
- 1.5" and 2" Tri-Clamp® connections
- Pressure ranges include vacuum, compound and gauge ranges as low as 100 inches water column
- 4-20 mA 2-wire output signal, others available
- Designed for media temperature up to 150°C (300°F)
- Wetted surface finish $R_a < 16\mu$ inch

Description

WIKA SA-11 pressure transmitters meet 3A and EHEDG sanitary criteria for pressure and level measurement in the food, pharmaceutical, cosmetic and beverage industries. They feature 0.25% accuracy, rugged 316L SS wetted construction and a wide operating temperature range.

The SA-11 features an integral cooling extension between the Tri-Clamp® connection and transmitter body. This design increases the maximum permissible media temperature to 150°C (300°F).

The 316L SS flush diaphragm ensures a crevice free seal between the process connection and the pressure measuring diaphragm. The permanently sealed sensing system includes food grade (FDA approved) liquid fill and is designed for "clean in place" (CIP) and "sterilize in place" (SIP) maintenance procedures. The transmitters are available with industry standard 1.5" or 2" Tri-Clamp® connections. They can be ordered with an optional NEMA 6P (IP 68) cable assembly for additional protection in wash down areas.

STANDARD RANGES

RANGE	MAXIMUM*	BURST**
0-100 InWC	30 psi	30 psi
0-150 InWC	30 psi	30 psi
0-250 InWC	60 psi	60 psi
0-400 InWC	70 psi	70 psi
0-25 psi	145 psi	145 psi
0-50 psi	250 psi	250 psi
0-100 psi	500 psi	500 psi

Additional ranges are available

Notes:

* Pressure applied up to the maximum rating will cause no permanent change in specifications

** Exceeding the burst pressure may result in destruction of the transmitter and loss of media.

NOTE: Standard items shown in **bold print**. (Subject to prior sale)

Type S



Type SA-11 with optional IP 68 cable

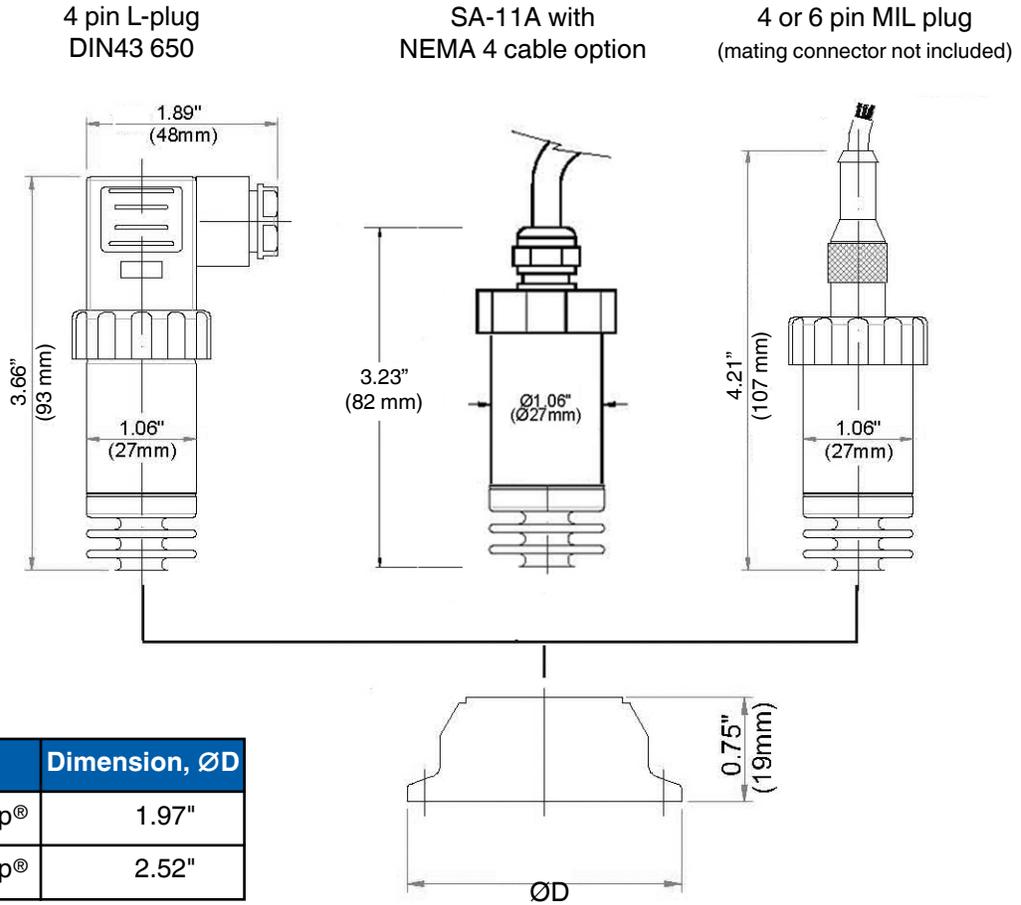
Tri-Clamp® is a registered trademark of Tri-Clover Inc.

PART NUMBERS

Pressure conn.	1½" or 2" Tri-Clamp® connections	
Power supply	10-30 VDC	
Signal output	4-20 mA 2-wire	
Elec. conn.	DIN 43 650 with plug connector	
Gauge ranges		
	1.5" Tri-Clamp®	2" Tri-Clamp®
0-100 InWC	4361853	4361861
0-150 InWC		4373576
0-250 InWC	4361887	4361879
0-400 InWC		50362305
0-25 psi		4209986
0-50 psi	4200104	4200113
0-100 psi	4394866	50006495

Other ranges to 400 psi are available

Dimensions

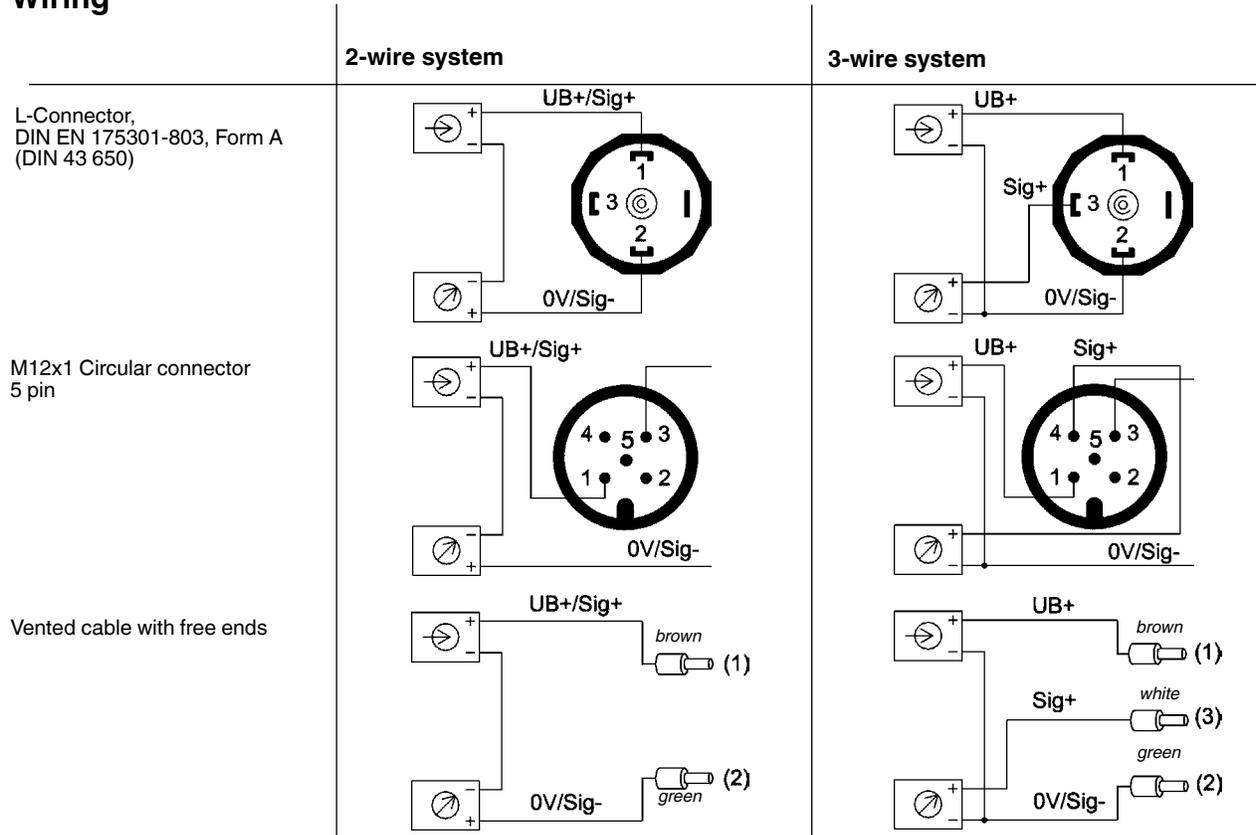


Electrical connections

	Standard			
				
Type	DIN 43 650 plug	Adjustable LCD Display	Vented cable with free ends	MIL plug
Protection	IP 65 / NEMA 5	IP 65 / NEMA 5	IP 67 / NEMA 4	IP 65 / NEMA 5
Description and part numbers	PG9 cable gland (standard) Part #1006711 1/2" NPT female conduit opening Part #1632159	Loop powered programmable 4-20 mA 3.5 digit Part #7082534	5 foot - #9744479 10 foot - #9838915 20 foot - #4239904 30 foot - #4239921 50 foot - #4293348	4 pin PT02E-8-4P Part #8990935 6 pin PT02E-10-6P Part #9744460

Electronic Pressure Catalog > 3A Sanitary > SA-11

Wiring



Legend:

	power supply	Sig+ output signal positive
	load (e.g. display)	UB+ power supply positive
		0V power supply negative
		Sig- output signal negative

Ordering information
 Pressure gauge model / Nominal size / Scale range /
 Size and location of connection / Optional extras required

Modifications may take place and materials specified may be replaced by others without prior notice.
 Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.

SA-11 Smart Codes for Custom Order Configurations

Field no.	Code	Feature
1	Signal output	
	A	4 ... 20 mA, 2-wire
	B	0 ... 20 mA, 3-wire
	F	0 ... 10 V, 3-wire
	G	0 ... 5 V, 3-wire
	?	Customer specification
2	Unit	
	P	psi
	3	psi absolute
	N	InWC
?	Customer specification	
3	Pressure range	
	CA	-30/0 inHg
	CN	0/5 psi
	CP	0/10 psi
	BD	0/30 psi
	BE	0/60 psi
	BF	0/100 psi
	BG	0/160 psi
	BH	0/200 psi
	BI	0/300 psi
	??	Customer specification
	GU	0/100 InWC
	GV	0/150 InWC
	GW	0/250 InWC
GX	0/400 InWC	
4	Process connection	
	RT	Tri-Clamp® DN 1 1/2"
	SA	Tri-Clamp® DN 2"
??	Customer specification	
5	Accuracy	
	G	+/- 0.25% B.F.S.L.
K	+/- 0.125% B.F.S.L.	
6	Electrical connection	
	A4	4 Pin L-plug DIN EN 175301-803 with pg 9 (NEMA 5 // IP 65)
	M4	4 Pin locking plug M12 x 1 (NEMA 4 / IP 67)
	EM	Vented cable with free ends (NEMA 6 / IP 68)
??	Customer specification	

SA-11 Smart Codes for Custom Order Configurations (cont'd)

Field no.	Code	Feature
Cable length		
7	Z	Without
	Y	5 feet
	1	10 feet
	2	20 feet
	3	30 feet
	?	Customer specification
Quality certificates		
8	Z	Without
	1	Quality certificates
Digital display		
8	Z	Without
	1	Digital display
Additional order details		
10	Z	Without
	T	Additional text

Order Code:

SA-11- ¹ - ² ³ - ⁴ - ⁵ ⁶ ⁷ - ⁸ ⁹ ¹⁰

*Additional order details _____