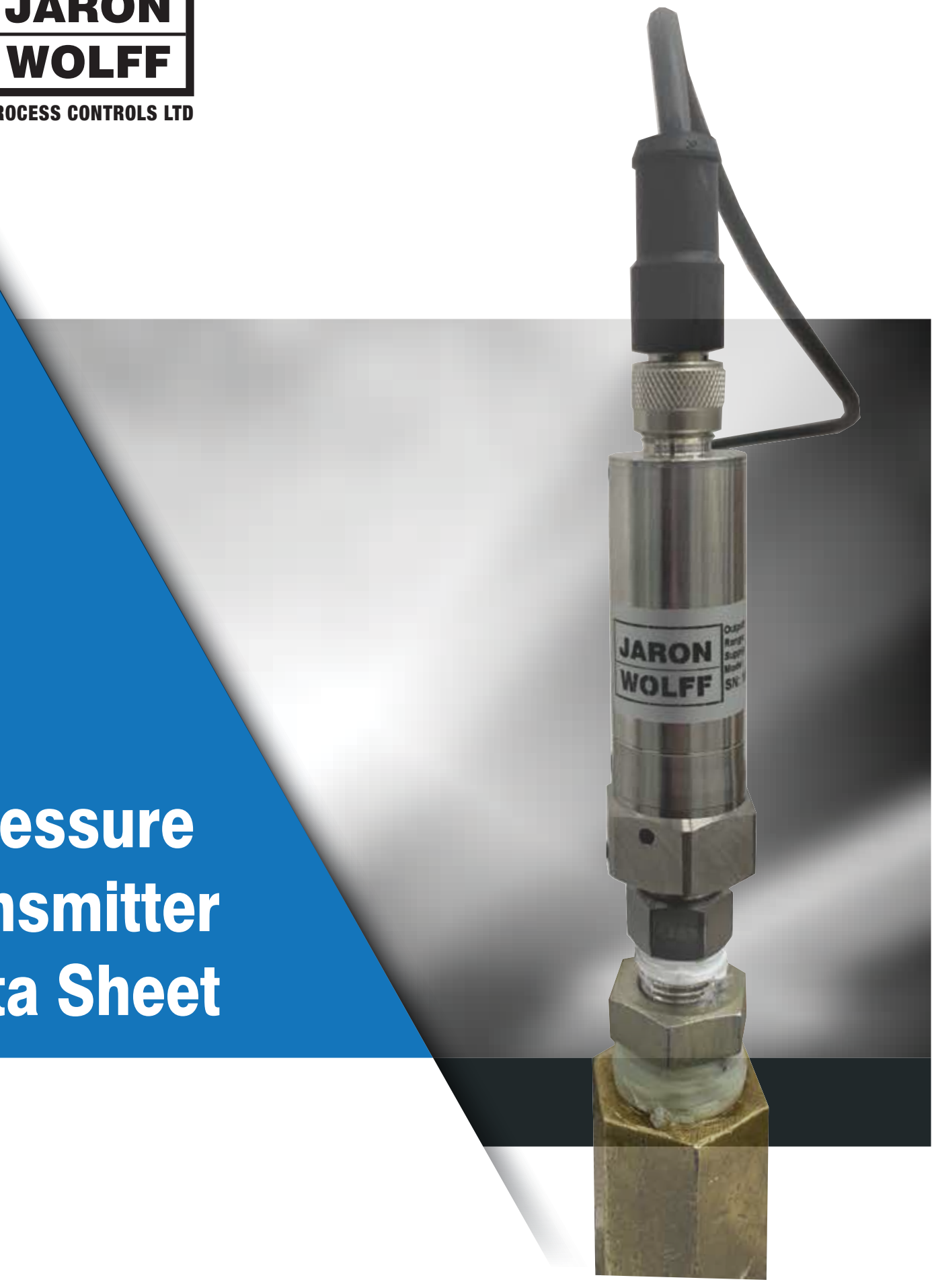
JARON WOLFF

PROCESS CONTROLS LTD

Pressure Transmitter Data Sheet



JARON WOLFF
PROCESS CONTROLS LTD.

Pressure Transmitters Model WT

WT TRANSMITTERS

"Quality is important for all companies in today's industries".

This is why we were very diligent with our research in order to provide a rugged, robust, durable and accurate pressure transmitter to our customers. We wanted a product we could supply to all our customers from Oil & Gas, Petrochemical plants, Rail, Food, Marine and more. With our transmitters having between 0.15% to 0.5% accuracy at F.S we can continue to service our customers to fit their needs. Safety is always important and constantly evolving which is why our WT transmitters have a very high overload protection and can resist up to 1000g of shock and 20g of vibration. Our transmitters are CE, DNV GL, and EX compliant. The hermetically sealed and fully vacuum-tight stainless steel thin-film measuring cell ensure high long-term tightness and stability. They are

very compact and we can offer a variety of pressure port and electrical connections. All transmitters between

Product Details:

Calibration

The WT transmitters are capable of being calibrated. Our in house technicians are trained to ensure their proper accuracy.

Intrinsically Safe

Our WT transmitters have the capability to withstand the most hazardous environments which require critical safety ratings.

User Interface

All models are capable of integrating with a variety of different PLC's. This allows our customers to use the WT transmitters with ease.

WT Transmitters

Performance Features:

- Extremely robust with high accuracy
- Measuring ranges from 60 Millibar to 60,000 psi
- Measuring Accuracy 0.5% up to 30,000 psi
- Output signal 4-20mA, 0 - 5 V, 0 - 10 V
- IP 67 & 69 rated M12 x 1 electrical connections
- Temperature rating -50 up to 180 C
- ATEX Intrinsically safe
- Stainless Steel & Titanium measuring cells
- High overload safety up to 200% F.S
- High shock, pulsation & vibration resistance

Standard Ranges: (psi, kpa, bar, millibar)

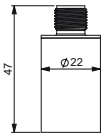
psi	bar
- 30"Hg - 0	- 1 - 0
0 - 100	0 - 7
0 - 200	0 - 14
0 - 600	0 - 40
0 - 750	0 - 50
0 - 1000	0 - 70
0 - 2000	0 - 140
0 - 3000	0 - 200
0 - 5000	0 - 340
0 - 7500	0 - 500
0 - 10,000	0 - 700
0 - 15,000	0 - 1000
0 - 20,000	0 - 1500
0 - 30,000	0 - 2000
0 - 40,000	0 - 2500
0 - 60,000	0 - 4000

Pressure Transmitter with Welded Stainless steel thin film measuring cell

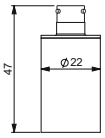
Technical Specifications	Type WTP:					
Pressure Ranges (in Bar) *)	- 1	0.6	1	1.6	2.5	4
	25	40	60	100	160	250
	400	600				
Printing *)	Max. 1.5 times; Pressure range up to 400 bar about 1.2 times					
Burst Pressure *)	3 times; Pressure range from 600 bar about 1.5 times					
Burst Pressure	relative pressure					
Measuring Principle	piezoresistive thin-Technologie (MEMS) (semiconductor					
	on stainless steel with gold plated)					
Wetted Part	up to 400 bar: Membrane 17-4 PH (1.4542 / AISI 630), threaded sleeve 1.4301 (AISI 304); from					
	600 bar: Full 17-4 PH (1.4542 / AISI 630)					
internal seals	No (hermetically welded stainless steel measuring cell)					
Pressure transmission medium	none (dry stainless steel measuring cell)					
housing material	1.4301 / AISI 304					
Process connections *)	G1 / 4 and G1 / 2 in accordance with DIN 3852 Form E, G1 / 4 and G1 / 2 according to EN 837					
	(Manometernippel), 1/4 "and 1/2" NPT, 7/16 "UNF-20 UNF, 3 / 8 "-24 UNF-2AC, 9/16"-18 UNF					
Electrical connections *)	Plug connections according to EN 175301-803 Form A and C, M12x1, field housing,					
	cable output					
Dimensions	120 g					
Output	4 ... 20 mA, 2 conductor RA ≤ (UB-10V) / 20 mA (power supply 10 ... 32 V DC)					
Supply voltage and	0 ... 10 V, 3 wires RL> 5 kΩ (supply 12 ... 32 V DC)					
Load resistance *)	0 ... 5 V, 3 wire RL> 2.5 kΩ (supply 7 ... 32 V DC)					
	0.5 ... 4.5 V ratiometric, three wires RL> 4k7 (supply 5 V DC +/- 10%)					
Response time (T90)	<1 ms					
Total error **)	≤ 0.25% FS boundary point settings (≤ 0.35% FS BFSL) according to DIN EN 61298-2					
	(Including non-linearity, zero point errors, hysteresis and repeatability) in the compensated					
	range					
nonlinearity	≤ 0.2% FS after boundary point settings (≤ 0.1% FS after BFSL)					
nonrepeatability	≤ 0.10% FS					
hysteresis	≤ 0.15% FS					
Mean TC of the offset	≤ 0.15% FS / 10K					
Mean TC of span	≤ 0.15% FS / 10K					
Long-term stability	≤ 0.1% FS per year at reference conditions					
Operating temperature Media						
temperature	- 40 ... + 125 ° C					
ambient temperature	- 40 ... + 105 ° C					
storage temperature	- 40 ... + 125 ° C					
CE conformity	EC Directive 89/336 / EEC					
pressure equipment	2014/68 / EU					
EMC Directive	2004/108 / EC gemäß to EN61326					
shock resistance	g in 1000 to IEC 60068-2-32					
vibration resistance	g 20 to IEC 60068-2-6					
Electrical protection dielectric						
strength	350 VDC					
Short circuit resistance	Out + / $U_{B-(}$ for 1s)					
Reverse polarity protection	No $U_{B+/}$ U_B					
IP protection *)	Plug connectors to EN 175301-803 IP65, M12 x 1 and cable IP 67 The IP specified in the data					
	sheets protection classes are usually connected with mating plug. For relative transmitter, a					
	ventilated mating plug and / or cable is usually required to provide atmospheric pressure equalization					
	safe. From a pressure range of 60 bar, a ventilated mating plug and / or cable is required.					

WT Transmitters

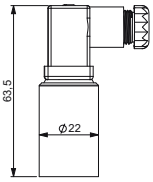
ELECTRICAL CONNECTIONS



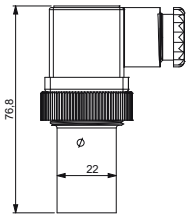
M12x1 (S763)



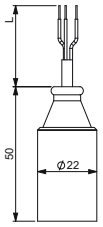
6 PIN Bendix



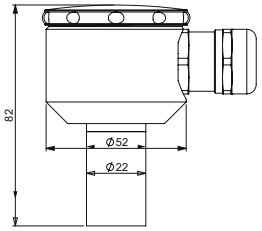
EN 175301-803-C



EN 175301-803-A

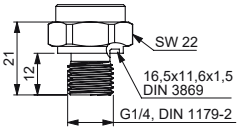


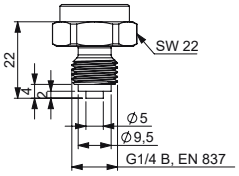
Cable Output

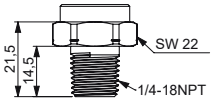


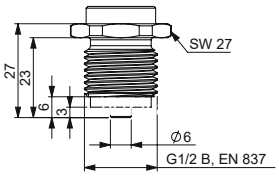
Fieldhousing (320 Degrees)

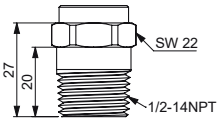
PROCESS CONNECTIONS

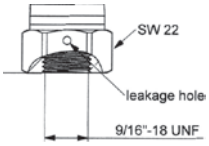


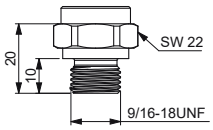




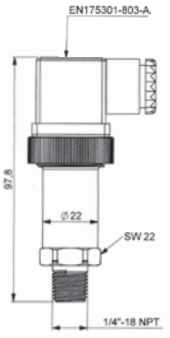


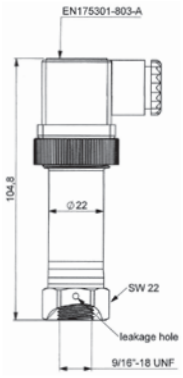


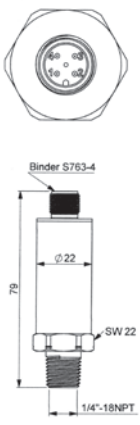


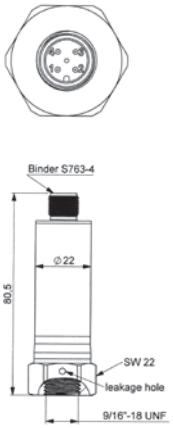


TRANSMITTER DIMENSIONS









JARON WOLFF
PROCESS CONTROLS LTD

WT Transmitters

“Quality, Reliability, Durability”

CREATIVE | INNOVATION | TEAM WORK

Jaron Wolff Process Controls LTD.
Location
9535-47 Avenue
Edmonton, Alberta
T6B 5R2
Tel: 780-463-9527
Fax: 780-450-2614
info@jaronwolff.com

www.jaronwolff.com