

SST Series

DOWNHOLE APPLICATION



Description

Winters Instruments offers a Downhole Transducer for severe service applications. This transducer offers durability and exceptional performance under the most demanding conditions.

The Downhole Transducer has a sputtered metallic thin film sensor diaphragm that allows the unit to withstand high external operating temperatures of up to 365°F (185°C), while allowing a range of up to 0-20000 psi. It has an accuracy rating of 0.15% of full scale. The Downhole unit is available with a built-in RTD to measure process temperature and is CE approved.

Winters SST Series Transducer is used in down hole probes, oil exploration, high temperature testing and research applications.



Corporate Office: 121 Railside Road • Toronto • ON • M3A 1B2 • (416) 444-2345 • Fax: (416) 444-8979

U.S.A. Office: 600 Ensminger Road • Buffalo • NY • 14150 • (716) 874-8700 • Fax: (716) 874-8800

www.winters.com • 1-800-WINTERS (946-8377)

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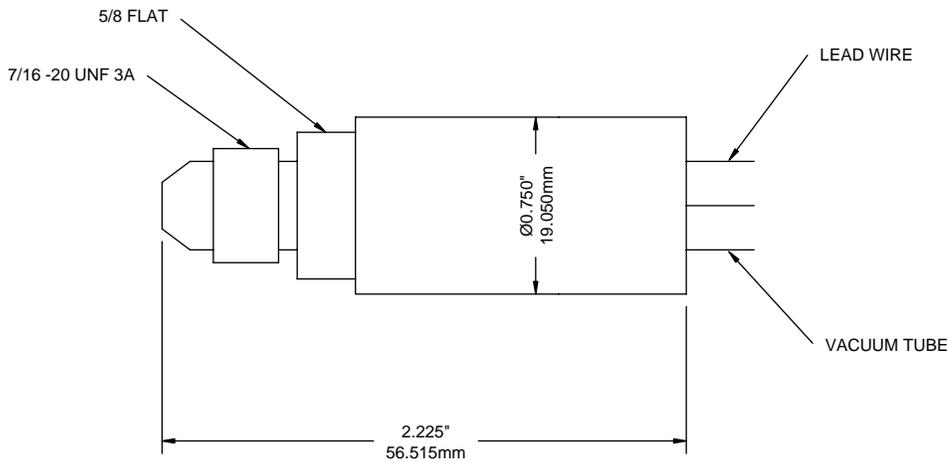
How to order: Specify product code
PRODUCT CODES

Range *	Code	Range *	Code
0-2000 psi	SST2000	0-10000 psi	SST10000
0-3000 psi	SST3000	0-15000 psi	SST15000
0-5000 psi	SST5000	0-20000 psi	SST20000
0-7500 psi	SST7500		

* Calibrated in psi. Other ranges (e.g. bar, etc) available upon request

Standard Wiring	SST
A/1	+ Excitation
B/2	- Excitation
C/3	+ Signal
D/4	- Signal
E/5	+ RTD (Optional)
F/6	- RTD (Optional)

Specifications	
Electrical Output:	1.5 mV/V standard, 4-wire
Electrical Connection:	Soldier Pins
Excitation Voltage:	1-20 Vdc (10 Vdc Standard)
Wetted Parts / Connections:	7/16-20 UNF (M), 316L stainless steel & 15-5 stainless steel
Housing:	316L stainless steel
Proof Pressure:	1.5X full scale
Burst Pressure:	2X full scale (maximum 30000 psi)
Accuracy:	0.15% of full scale
Normal Operating Temp. Range:	-40F to 350F (-40C to 175C)
Compensated Temp. Range:	40F to 350F (-40C to 175C)
Thermal Shock Effect:	Less than +/- 1.5% FSO per 100°F (37.7°C)
Ambient Temp. Effect on Zero/Span:	Less than +/- 1.5% FSO per 100°F (37.7°C)
Response Time:	Less than or equal to 1mS
Long Term Stability:	Less than or equal to 0.2% FSO per annum
Weight:	2.5oz (71g)



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12/02