

SPECTRE CORPORATION

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MODEL 500 LOW-PROFILE TRANSDUCER

- OUTPUTS: 4-20 mA DC (OPTIONAL 1-5 VDC, mV/V)
- STANDARD ACCURACY 0.25% BFSL
- UNPARALLELED LONG-TERM STABILITY
- RFI/EMI PROTECTION ON EVERY TRANSDUCER
- PRESSURE RANGES: 0-2.5 PSIG TO 0-10000 PSIG
- STAINLESS STEEL PRESSURE CONNECTION: ¼" MALE NPT OR SAE-4 MALE



<p><u>PERFORMANCE @ 25°C (77°F)</u> ACCURACY: <math>\pm 0.25\%</math> BFSL TO 0.1% BFSL STABILITY (2 YEAR) <math>\pm 0.10\%</math> FS, TYPICAL OVER PRESSURE PROTECTION: 2X RATED PRESSURE BURST PRESSURE: 5X OR 20000 PSI (LESSER) PRESSURE CYCLES: >50 MILLION OPERATING TEMPERATURE: -40°C TO + 85°C RESPONSE TIME: <math>\le 5</math> ms TO 90% <u>ENVIRONMENTAL DATA</u> STORAGE TEMP: -50°C TO +125°C COMPENSATED RANGE: 0°C TO 50°C TEMP COMP ZERO: <math>\le 1.0\%</math> FS TEMP COMP SPAN: <math>\le 1.0\%</math> FS</p>	<p><u>ELECTRICAL DATA EXCITATION:</u> 9 – 36 VDC (4-20 mA DC / 1 – 5 VDC) 5 – 10 VDC (mV/V OUTPUT)</p> <p>CURRENT CONSUMPTION: <math>< 5</math> mA ZERO OFFSET: <math>< 0.25\%</math> OF FS SPAN TOLERANCE: <math>< 1.0\%</math> OF FS OUTPUT LOAD: > 10K Ω RANGE CAL SIGNAL: INTERNAL RESISTOR 100%</p> <p><u>PHYSICAL DATA:</u> WETTED MATERIAL: 316 SS BODY MATERIAL: 316 SS</p>
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ORDERING GUIDE: 500-A-(0-300PSI)-4-D-5-EC4

A	(0-300)	4	D	5	EC4
PRESSURE PORT	RANGE ¹	TYPE	PRESSURE OUTPUT	ACCURACY (BFSL)	CONNECTOR²
A = ¼" MNPT	PSI	2 = GAUGE	D = 4-20 mA	5 = 0.5%	EC1 = 36" PIGTAIL ³
B = SAE-4 MALE	BAR	4 = SEALED	G = 1-5 VDC	25 = 0.25%	EC2 = LARGE DIN 43650, FORM A
C = OTHER	kPA	6 = OTHER	M = mV/V	1 = 0.1%	EC3 = MINI DIN 43650, FORM C
	INCHES WC				EC4 = BENDIX PTIH-10-6P
	TORR				ECT = TURCK M12
					ECX = OTHER

¹OTHER RANGES AVAILABLE, CONSULT FACTORY

²CUSTOM PINOUTS/WIRING AVAILABLE, PLEASE SPECIFY UPON ORDER PLACEMENT

³PVC STANDARD CABLE JACKET-OTHERS AVAILABLE ON REQUEST

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