

Specifications				
Materials				
Wetted Parts	316 L Stainless Steel			
Internal Transmission Fluid	Silicone oil (only pressure ranges up to 0-100 psig and 0-300 psi absolute)			
Case	316 L Stainless Steel			
Fatigue Life	10 million load cycles maximum			
Power Supply UB		Signal Output	Power Supply UB	Maximum Load RA
Signal Output and Maximum Ohmic Load RA		4-20mA, 2-wire	8-30 DCV	RA \leq (UB-10V) / 0.02A
		1-5V, 3 wire	8-30 DCV	RA $>$ 5 kOhm
		0-10V, 3-wire	14-30 DCV	RA $>$ 10 kOhm
		0.5-4.5V, ratiometric	5 \pm 0.5 DCV	RA $>$ 4.5 kOhm
		Others on request		
Response Time	ms	$<$ 4		
Isolation Voltage	DCV	500		
Current Consumption	mA	Signal current (max 25) for current output, and (max 8) for voltage output		
Non-linearity	% of span	$\leq \pm 0.5$ (BFSL), or optional $\leq \pm 0.25$ (BFSL)		
Accuracy	% of span	$\leq \pm 1.0$ (with non-linearity 0.5%)*		
		$\leq \pm 0.5$ (with non-linearity 0.25%)*		
		$\leq \pm 0.6$ (with non-linearity 0.25% and signal output 0-5 V)*		
		*(Includes non-linearity, hysteresis, zero point, and full scale error)		
Zero Offset	% of span	≤ 0.15 typ., ≤ 0.4 max. (non-linearity 0.25%)		
		≤ 0.5 typ., ≤ 0.8 max. (non-linearity 0.5%)		
Hysteresis	% of span	≤ 0.16		
Non-repeatability	% of span	≤ 0.1		
Long Term Drift	% of span	≤ 0.1		
Signal Noise	% of span	≤ 0.3		
Permissible Temperature of:		Standard		Extended Temperature Option
Media		32.....+176°F	0.....+80°C	-22.....+212°F -30.....+100°C
Ambient		32.....+176°F	0.....+80°C	-22.....+212°F -30.....+100°C
Storage		-4.....+176°F	-20.....+80°C	-22.....+212°F -30.....+100°C
Operating Temperature Range		32.....+176°F	0.....+80°C	
Temperature Error within Compensated Temperature Range	% of span	≤ 1.0 typ., ≤ 2.5 max.		
CE Conformity				
Pressure Equipment Directive		97/23/EC		
EMC Directive		89/336/EEG emission (class B) and immunity according to EN 61 326		
Shock Resistance	g	500 according to IEC 60068-2-27 (mechanical shock)		
Vibration Resistance	g	10 according to IEC 60068-2-6 (vibration under resonance)		
Wiring Protection				
Overvoltage Protection	VDC	32; 36 with 4-20mA		
Short Circuit Protection		Sig+ to UB-		
Reverse Polarity Protection		UB+ to UB-		
Test Reference Conditions				
Relative Humidity	%	45-75		
Temperature	%	59.....+77°F	15.....+25°C	
Atmospheric Pressure	Kpa	86-106 (25.4-31.3 inhg)		
RoHS-conformity		Yes		
Weight	oz	Approximately 2.8 (80 g)		