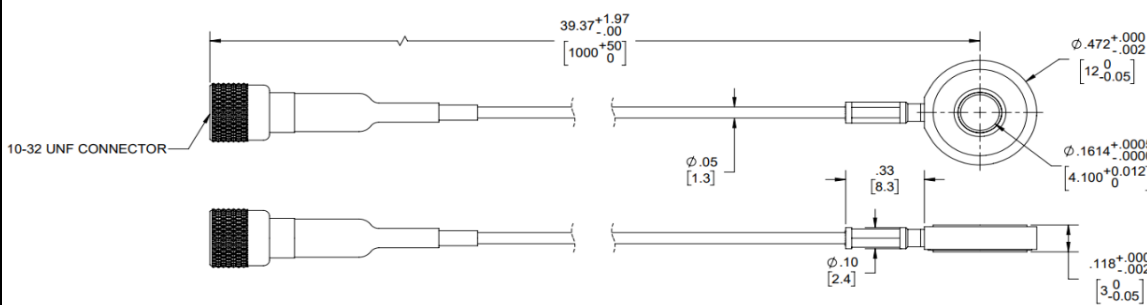


MODEL NUMBER		PERFORMANCE SPECIFICATION				DOC NO.																																				
1217C2						PS1217C2																																				
		RING FORCE TRANSDUCER				REV A, ECN17575, 12/04/24																																				
																																										
						This family also includes:																																				
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						1) Accredited Calibration Certificate (ISO 17025)																																				
						Notes:																																				
						[1] All specifications are at room temperature unless otherwise specified.																																				
						[2] Measured using zero-based straight line method, % of F.S. or any lesser range.																																				
						[3] In the interest of constant product improvement, we reserve the right to change specifications without notice. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.																																				
																																										
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-1217C2 for mor information.																																								

		ENGLISH		SI	
PHYSICAL	Weight, Max (Sensor)	<0.18	oz	<5	grams
	Housing Material	17-4 PH		17-4 PH	
	Cable Length, Nom	39.4	Ft	1000	mm
	Jacket	PTFE		PTFE	
	Wire Size	34	AWG	34	AWG
Connector		10-32, UNF-2B		10-32, UNF-2B	
PERFORMANCE	Sensor Measurement Range	1,574	Lbf	7	kN
	Sensor Sensitivity (+/-30%)	19	pC/Lbf	4.30	pC/N
	System Linearity [2]	<±1	%F.S	<±1	%F.S
	Insulation Resistance	≥1000	GΩ	≥1000	GΩ
ENVIRONMENTAL	Preloading force (recommended)	315	Lbf	1.4	kN
	Maximum force on the sensor (with preload)	1888	Lbf	8.4	kN
	Temperature Range (Operational, Sensor)	-4 to 248	°F	-20 to 120	°C
	Temperature coeff. of the sensitivity	0.036	% / °F	0.02	% / °C
	Seal	IP65		IP65	

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