

201B03传感器全心解答

产品名称	201B03传感器全心解答
公司名称	上海持承自动化设备有限公司
价格	29.00/个
规格参数	PCB:10 mV/lb 201B03:500 lb 美国:3000 lb
公司地址	上海市金山区吕巷镇干巷荣昌路318号3幢1018室
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产品详情

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201B03传感器生产设备商

ICP quartz force ring, 500 lb comp., 10 mV/lb

Measurement Range: (Compression) 500 lb(2.224 kN)

Sensitivity: (± 15%) 10 mV/lb(2248 mV/kN)

Low Frequency Response: (-5%) 0.002 Hz

Upper Frequency Limit: 90000 Hz

Temperature Range: -65 to +250 ° F(-54 to +121 ° C)

All specifications are at room temperature unless otherwise specified. Product Notes

[1] Zero-based, least-squares, straight line method.[2] Typical.[3] Calculated from discharge time constant.[4] Estimated using rigid body dynamics calculations.[5] See PCB Declaration of Conformance PS023 for details.

Accessories:

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M08 Pilot (1)
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Optional Versions:

(N) Negative Output Polarity

(W) Water Resistant Cable

	ENGLISH	SI	
Electrical Connection Position			
Electrical Connector		Side Sealed Cable	
Electrical Performance			
Sensitivity (± 15 %)	10 mV/lb	2248 mV/kN	
Measurement Range (Compression)	500 lb	2.224 kN	
Maximum Static Force (Compression)	3000 lb	13.34 kN	
Broadband Resolution (1 to 10000 Hz)	0.01 lb-rms	0.04448 N-rms	[2]
Low Frequency Response (-5 %)	0.002 Hz	0.002 Hz	[3]
Upper Frequency Limit	90000 Hz	90000 Hz	[4]
Non-Linearity	1 % FS	1 % FS	[1]
Environmental			
Temperature Range	-65 to +250 ° F	-54 to +121 ° C	
Temperature Coefficient of Sensitivity	0.03 %/ ° F	0.054 %/ ° C	
Electrical			
Discharge Time Constant (at room temp)	400 sec	400 sec	

Excitation Voltage	20 to 30 VDC	20 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	100 Ohm	100 Ohm	
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC	
Output Polarity (Compression)	Positive	Positive	
Physical			
Preload	200 lb	0.89 kN	
Stiffness	12 lb/in	2.1 kN/m	[2]
Size - Diameter	0.650 in	16.5 mm	
Size - Height	0.310 in	7.87 mm	
Size - Bolt Diameter	0.25 in	6 mm	
Size - ID (Hole Diameter)	0.251 in	6.38 mm	
Size - OD (Sensor)	0.650 in	16.51 mm	
Size - Sensing Surface	0.50 in	12.7 mm	
Weight	0.35 oz	10 gm	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Hermetic	Hermetic	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Side	Side	