

SPECIFICATIONS						
Model Number	393A03	393B04	393B32	393B12	393B05	393B31
Performance						
Sensitivity	1.0 V/g	1.0 V/g	5.0 V/g	10 V/g	10 V/g	10 V/g
Measurement Range	±5.0 g pk	±5.0 g pk	±1.0 g pk	±0.5 g pk	±0.5 g pk	±0.5 g pk
Frequency Range (±5%)	0.5 to 2,000 Hz	0.06 to 450 Hz	0.2 to 200 Hz	0.15 to 1,000 Hz	0.7 to 450 Hz	0.1 to 200 Hz
Resonant Frequency	≥10,000 Hz	≥2,500 Hz	≥700 Hz	≥10,000 Hz	≥2,500 Hz	≥700 Hz
Broadband Resolution	0.00001 g rms	0.000003 g rms	0.000002 g rms	0.000008 g rms	0.000004 g rms	0.000001 g rms
Non-Linearity	≤1 %	≤1 %	≤1 %	≤1 %	≤1 %	≤1 %
Transverse Sensitivity	≤7 %	≤5 %	≤5 %	≤7 %	≤5 %	≤5 %
Overload Limit (Shock)	±5000 g pk	±300 g pk	±40 g pk	±5000 g pk	±300 g pk	±40 g pk
Base Strain Sensitivity	≤0.0005 g/με	≤0.0005 g/με	≤0.0005 g/με	≤0.0005 g/με	≤0.0005 g/με	≤0.0005 g/με
Temperature Range	-65 to +250 °F	-15 to +176 °F	-15 to +150 °F	-50 to +180 °F	-15 to +176 °F	-15 to +150 °F
Electrical						
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	24 to 28 VDC	18 to 30 VDC	18 to 30 VDC	24 to 28 VDC
Constant Current Excitation	2 to 20 mA	2 to 10 mA	2 to 10 mA	2 to 20 mA	2 to 10 mA	2 to 10 mA
Output Impedance	<250 Ohm	<500 Ohm	≤500 Ohm	<1500 Ohm	<500 Ohm	≤500 Ohm
Output Bias Voltage	8 to 12 VDC	7 to 12 VDC	8 to 14 VDC	8 to 12 VDC	7 to 12 VDC	8 to 14 VDC
Discharge Time Constant	1 to 3 sec	5 to 15 sec	≥2 sec	≥3.5 sec	0.5 to 2.0 sec	≥5 sec
Settling Time	<15 sec	<100 sec	≤10 sec	<60 sec	<100 sec	60 sec
Spectral Noise (1 Hz) (Typical)	2 μg/√Hz	0.30 μg/√Hz	0.12 μg/√Hz	1.30 μg/√Hz	0.50 μg/√Hz	0.06 μg/√Hz
Spectral Noise (10 Hz) (Typical)	0.5 μg/√Hz	0.10 μg/√Hz	0.02 μg/√Hz	0.32 μg/√Hz	0.10 μg/√Hz	0.01 μg/√Hz
TEDS 1.0 version available (TLD)	-	Yes	-	-	Yes	-
Physical						
Sensing Element	Ceramic					
Sensing Geometry	Shear	Flexural	Flexural	Shear	Flexural	Flexural
Housing Material	Stainless Steel	Titanium	Stainless Steel	Stainless Steel	Titanium	Stainless Steel
Size - Diameter / Hex	1.18 in	0.99 in	2.25 in	1.18 in	0.99 in	2.25 in
Size - Height	2.18 in	1.22 in	2.80 in	2.18 in	1.22 in	2.80 in
Weight	210 gm (7.4 oz)	50 gm (1.8 oz)	635 gm (22.4 oz)	210 gm (7.4 oz)	50 gm (1.8 oz)	635 gm (22.4 oz)
Electrical Connector	2-Pin MIL-C-5015	10-32 Coaxial Jack	2-Pin MIL-C-5015	2-Pin MIL-C-5015	10-32 Coaxial Jack	2-Pin MIL-C-5015
Mounting Thread	1/4-28 Female	10-32 Female	1/4-28 Female	1/4-28 Female	10-32 Female	1/4-28 Female

Coaxial Cable Material & Type	Electrical Connectors	Cable Model by Length					
		3 ft (0.9 m)	5 ft (1.5 m)	10 ft (3.0 m)	20 ft (6.1 m)	30 ft (9.1 m)	50 ft (15.2 m)
002 - White FEP, General Purpose	10-32 Plug to BNC Plug	002C03	002C05	002C10	002C20	002C30	002C50
003 - Blue TFE, Low Noise	10-32 Plug to BNC Plug	003C03	003C05	003C10	003C20	003C30	003C50
012 - Black PVC, RG58/U	2-Pin MIL-C-5015 to BNC Plug	-	012E05	012E10	012E20	-	012E50
012 - Black PVC, RG58/U	BNC Plug to BNC Plug	012A03	012A05	012A10	012A20	012A30	012A50



Basic 4-Channel ICP® Signal Conditioner
Model 482C05

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