LSM-B-SA1 **3-component Force Transducer**

.

Sensor Interface

PCD-400A

3-77



Enables Force Measurement in X, Y and Z Directions. The Compact & Lightweight Strain Gage Based Design is Suitable for Model **Experiments**.

products for

combination

Specifications

Performance			
Rated Capacity	See table below.		
Nonlinearity	Within ±0.5% RO		
Hysteresis	Within ±0.5% RO		
Rated Output	Approx. 0.5 mV/V (10)00 μm/m)	
Interference	Within ±3%RO		
Fundamenta			
Environmenta	I Characteristics		
Safe Temperature Range		0 to 80°C	
Compensated Temperature Range		0 to 70°C	
Temperature Eff	fect on Zero Balance	Within ±0.05% RO/°C	
Temperature Eff	fect on Output	Within ±0.05%/°C	
Electrical Char	acteristics		
Safe Excitation \	/oltage	10 V AC or DC	
Recommended	Excitation Voltage	1 to 5 V AC or DC	
Input Resistance	2	240 Ω±5%	
Output Resistan	ce	240 Ω±5%	
Cable 4-conduct	or (0.08 mm ²) chloropre	ne shielded cable, 4 mm diameter by	
5 m long, v	vith a connector plug to	the transducer side and bared to the	
amplifier s	ide (Shield wire is not co	nnected to mainframe.)	
Mechanical Properties			
Safe Overload R	ating 150%		

Sale Overload Rating	150%
Natural Frequencies	See table below.
Weight	See table below (Excluding cable).
Safe Moments	See table below.

*As for the cable terminated with NDIS connectors suffix "-P" to the model number.

Dimensions



Universal Recorder

EDX-200A

3-55

Universal Recorder

EDX-100A

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Memory Recorder/Analy

EDX-3000B

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Strain Amplifier

DPM-900 Series

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Load Cells (Load Transducers)