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Sensotech



Model BS

Suitable for Beam deflection measurement

WIRING SCHEMATIC	
COLOUR CODE	CONNECTION
RED	EXCITATION (+)
BLACK	EXCITATION (-)
GREEN	OUTPUT (+)
WHITE	OUTPUT (-)
SHIELD	GROUND

Performance Data

Capacity Range (In kgf)	Infinite
Capacity Range (In Tf)	
Nominal Sensitivity (mV/V)	1 ± 10%
Zero Signal Tolerance	0 ± 3%
Input Resistance	350 ± 5 Ω
Output Resistance	350 ± 3 Ω
Recommended Excitation Voltage	10 VDC
Maximum Excitation Voltage	15 VDC
Linearity Deviation (as % of Full Scale)	< ± 0.020
Repeatability (as % of Full Scale)	< ± 0.020
Hysteresis (as % of Full Scale)	< ± 0.020
Creep (as % of Full Scale) in 30 min	< ± 0.020
Effect of Temperature on Zero(% / o C)	± 0.020
Effect of Temp. on Span(% / o C of Load)	± 0.001
Compensated Temperature Range	-10 to + 40°C
Operating Temperature Range	-20 to + 70°C
Combined Error (as % of Full Scale)	< ± 0.023 max
Isolation Resistance (@ 50 VDC)	> 1000 MΩ
Max. Limit Force (as % of Full Scale)	150
Breaking Force (as % of Full Scale)	300
Lateral Load Limit (as % of Full Scale)	
Protection Class	IP 67
Material of Construction	High Nickel Alloy Steel

Features

- Excellent Overload Capability
- Low Profile Design
- Low Deflection & Creep

Application

- For Passenger / Goods Elevator.
- For Truck On-Board Weighing
- For Bridge / Structure deflection Measurement

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