PRECISION LOAD CELL SIGNAL CONDITIONERS

Introduction:

MSSC range of strain gauge signal conditioner(AC/DC) conditioner are available in 8 different regular models apart from tailor made solutions virtually covering all industrial and research applications meeting all electrical, thermal, mechanical, and environmental specifications. These conditioners are first choice for online monitoring of piezoresistive based pressure/force/level/acceleration/torque/flow and many other inferential variable. These conditioners also find application in heavy electrical engineering industries, structure,automobile, vibration, defense, and electrical/mechanical m/c testing instrument, industrial electronics, railway, and avionics and many research and development activities. These conditioners are compatible to any standard or hall/shunt sensor and display with very high degree of accuracy/repeatability/reliability. These conditioners are available in different constructional material like ceramic-coated ms/poly carbonate.

Benefits:

- Simple installation and operational compatibility.
- Consistent performance over large temperature range (70°C)
- Scaled directly in desired protocol with repeatable accuracy.
- Auto zero offset without drift.
- All standards din sizes and custom sizes.
- Bridge configuration selector

MSSC-00099.9

MSSC- 00999.9

MSSC-99999.9-

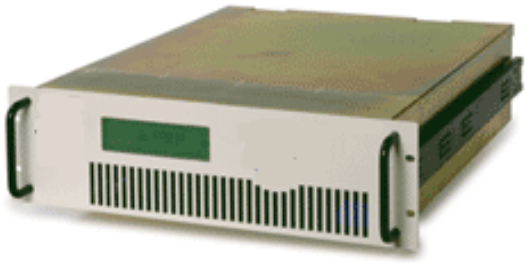
STRAIN GAUGE SIGNAL CONDITIONERS

Voltage<99999.9 nano volts

Model	Volts Micro volts	Lease count Micro volts	Linearization	Excitation AC/DC	Display	Interface option
MSSC-00099.9-	00099.9	1/10 of lbs.	Optional	Optional	LCD/LED	RS-232
MSSC-00999.9-	00999.9	1/10 of lbs.	optional	Optional	LCD/LED	RS-232
MSSC-09999.9-	09999.9	1/10 of lbs.	Optional	Optional	LCD/LED	RS-232
MSSC-99999.9-	99999.9	1/10 of lbs.	Optional	Optional	LCD/LED	RS-232

General electrical/mechanical specifications:

General electrical/mechanical specifications: Operating voltage: 220 volt A.C. (50-20,000 Hz)/ 12 volts D.C.
Measurement range (full scale): as above in different model.
Input capacitance: 10 nF
Response time: 1000 sample/sec
nano ampere meter signal: 100 micro ampere AC/DC (optional)
Burden: less than 100 micro volt/full scale current
Accuracy: 0.5/1.0/2.0 % reading
Repeatability: 100 of reading
Resolution: 1/10 of least significant bit
Linearity adjustment: upto 100 nano volt
Input imedence: 100 mega ohm (<1000 nano volt), 1000 mega ohm (<1000 mili volt)
Filtering: low pass
Offset: variable upto 10,000 nano ampere (manual/auto)
CMMR: >80 db at 50-60 Hz
Isolation: > 100 giga ohm
CHANNEL: 4/8/20/40 Channels
Connector: BNC-9 pinx2 and BNC-25 pinx2
Size: 5X8X8 inches/rack mounted or portable
Interface: RS-232



full bridge strain gauge topology

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