

Measurement
Solutions LLC

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SENSORS • TRANSDUCERS • CONTROL SYSTEMS • DATA ACQUISITION • SIGNAL CONDITIONING • CALIBRATION EQUIPMENT

MSLSC-5V-WP-2GN

Signal Conditioner with Weather-Proof Enclosure



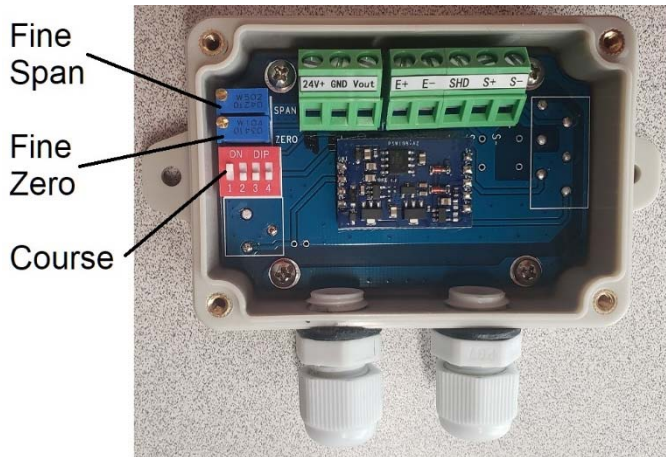
Features:

- High accuracy precision differential amplifier
- Designed for use in harsh environments
- Low thermal error, operate from -40 to +125 C
- Fast Response Time: 1 mS (1000 Hz)
- “Gland Nut” connections for in and out cables
- Screw terminals, internal (for wire terminations)
- Course & Fine Zero & Span Adjustments

Specifications:

- Power Supply: 8-30 VDC @ 90 mA max
- Input: +/-1.5 to +/-5.5 mV/V
- Output: +/-5 VDC
- Bridge Excitation: 5 VDC max
- Bridge Resistance: 300 - 1000 Ohms
- Non-linearity: $\pm 0.005\%$ FS
- Temperature drift: 35 ppm/ $^{\circ}$ C
- Long term stability: $\pm 0.08\%$ FS/year
- Output Noise: ± 2 mV max
- Over voltage protection: ≤ 40 VDC
- Reverse polarity protection: ≤ 40 VDC

Internal Adjustments:



DIP Switch Settings

Gain Adjustment (@ 5V out)



High
(1.5 - 3.0 mV/V input)

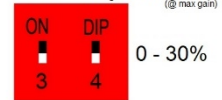


Medium
(2.5 - 4.0 mV/V input)

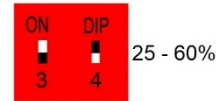


Low
(3.5 - 6.0 mV/V input)

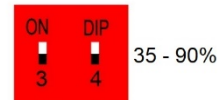
Zero Adjustment (@ max gain)



0 - 30%



25 - 60%



35 - 90%

Dimensions:

