



SPECIFICATIONS :

Supply Voltage	: 12V DC (From PS-PSU-02-4/4921479/4)
Maximum Allowable Ripple	: 10% (P-P)
Operating Range	: 1 – 5 mm
Linearity	: ±2% of F.S
Resolution	: 0.05% of F.S
Output – Current	: 4 – 20 mA, Max. Load Resistance – 250 Ω
No Load Current	: 100 mA max.
Response Frequency	: 3.3 KHz. (-3 dB)
Temperature Stability	: 0.05% of F.S/°C
Ambient Temperature	: 0 – 60°C
Standard Target	: 18x18x1mm of St
Housing	: Aluminium, 115x65x30 mm
Connection	: Std. M12 Connector (C3P3)
Indication	: Red LED – Power, Green LED – Span

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CALIBRATION PROCEDURE

STEPS TO BE FOLLOWED:

- a) The Zero & Span Potentiometers are used for the Calibration described below.
- b) The Output Current of the Linear Displacement Sensor is measured at the Blue wire in the Output cable supplied, with reference to Black wire of the cable. Insert a 200 Ohms Resistor of 1Watt across Blue and Black wire in series with a DMM.

- c) Insert a 1mm slip gauge between the Rollers.

Set Output Current to 4mA using the trimming potentiometer marked as Zero.
The Span LED (Green) will become ON at this position.

- d) Insert a 5mm slip gauge between the Rollers.

Set Output Current to 20mA using trimming potentiometer marked as Span.
The Span LED (Green) will become OFF at this position.

- e) Repeat steps 'c' and 'd' until the above values are obtained.

- f) To check the adjustment use a 3mm slip gauge. Insert a 3mm slip gauge between the Rollers. In this case the Output Current of the Measuring System should equal 12mA. The Span LED (Green) will be ON at this position.
- 3 mm Slip Gauge Current 12mA ± 0.15mA

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