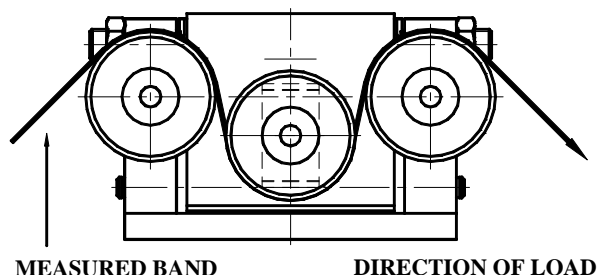


### Special features

Tension sensor SN-MP2 is specifically designed for measurement of narrow band from rubber or other soft material. There are three idler rollers on the sensor, the middle roll is matched with strain gauge load cell. The tension of the band effects on the middle roll and this force is measured by load cell. A full Weastone bridge strain gauge is incorporated in each load cell to provide accurate measurement.

This sensor is ruggedly constructed with built-in mechanical overload stop. It is necessary to set the overload stop (e.g. by weights) to approximately 130% of measured rate.

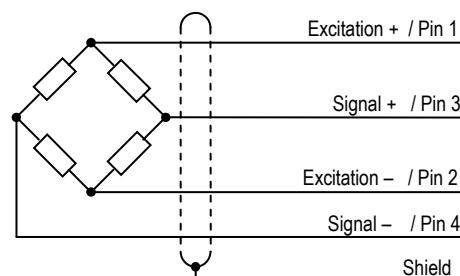
The sensor can be applied in rubber and chemical industry.



### Specifications

Accuracy class	0.5
Rated Capacities	200 N
Safe Overload	130 %F.S.
Ultimate Overload	150 %F.S.
Rated Output	2.0 mV/V ± 5%
Zero balance	± 2 % F.S.
Non-linearity (%F.S.)	0.25
Hysteresis (%F.S.)	0.25
Creep 30 min (%F.S.)	0.2
Temperature Effect	
- On Zero	0.1 %F.S./10 °C
- On Output	0.1 %F.S./10 °C
Input Impedance	395Ω ± 10%
Output Impedance	350Ω ± 5%
Insulation Impedance	> 5000 MΩ
Excitation	
- Recomend	10 V
- Maximum	15 V
Temperature range	
- Compensated	0 ... + 50 °C
- Operating	- 10 ... + 70 °C
Protection	IP54
Deflection at max load	0.2 mm
Construction	Aluminium
Connection	Connector M12

### Wiring diagram



### Outline Dimensions

