

CR 208, CR 210 and CR 212 Series Force Measuring Roller

10 times overload protection

No recalibration required

20:1 force measuring range

Wide measuring range at high resolution

Nominal forces 50, 125, 250, 500, 1000, 1500 N

Covers a wide application range

Stainless steel sensor, Aluminium Cover

Corrosion resistant, ultra durable



● CR 208 / 210 / 212 Series

The force measuring rollers of the CR 208, CR 210 and CR 212 Series are ideal devices to measure tensions in wires, cables and narrow flat materials. Because of their ability to accept a wide range of standard sheaves they can be utilised very flexibly. Sheave and bearing mount to the bearing seat of the load cell. The assembly of sheave and sensor to the machine frame is straight forward and quickly done. The red point at the connector indicates the positive measuring direction.

● Functional Description

Foil type strain gauges mounted in a full Wheatstone Bridge configuration in each sensor perform the actual tension measurement. The dual flexion beam design eliminates angular deflection under load and ensures tension measurement with the highest accuracy and reliability under the most stringent requirements. A built in mechanical hard-stop provides high overload protection and ensures that frequent calibration is not required.

