Data Sheet

Plug and Test® Force Sensors **Series R05**

32-1134 REV 0524



Series R05 fully enclosed smart sensors are designed for pull / push measurements. Useful in ergonomics testing, workplace safety testing, and general lifting or tension / compression requirements. Threaded holes are supplied to accommodate various mounting configurations and attachments. For up to 500 lbF [2,500 N]. Includes a certificate of calibration with data. A combined certificate for the sensor and an indicator is available at time of order, part no. CERT-SI.



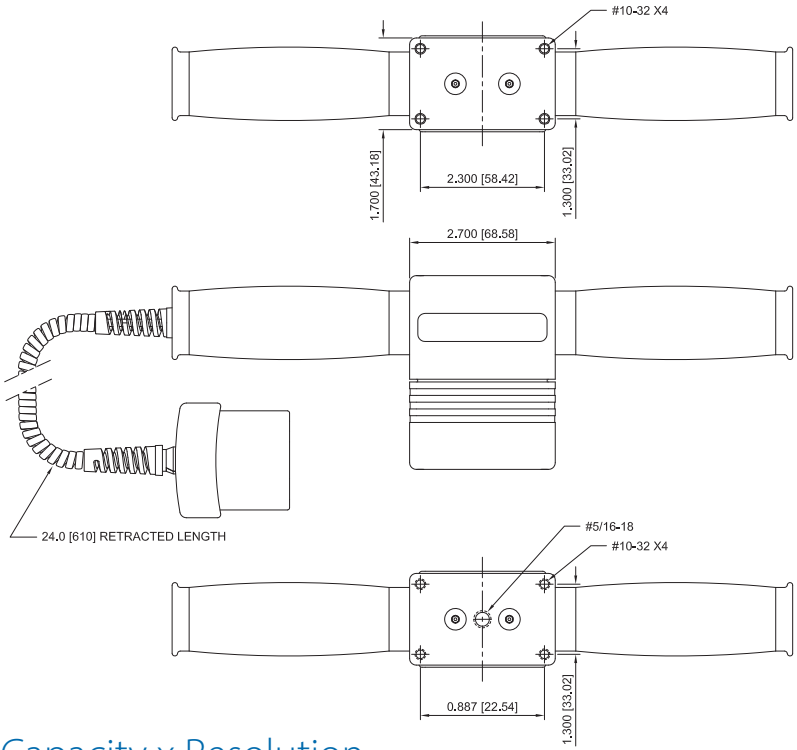
◀ Unique Plug & Test® technology allows for interchangeable sensors to be used with a Mark-10 indicator. All calibration and configuration data is saved in the smart connector.



◀ The Plug & Test® connector locks into the receptacle in the indicator when fully inserted. Dual buttons on the indicator housing release the connector for easy removal. Gold plated spring contacts ensure long lasting and reliable connection.

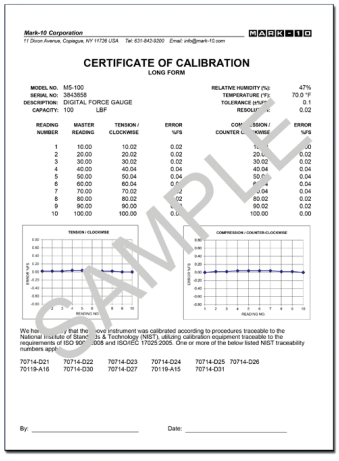
Specifications

Accuracy:	±0.15% of full scale + indicator
Safe Overload:	150% of full scale
Weight:	2.0 lb [0.9 kg]





▲ A Series R05 sensor is shown in a typical pull testing application. Chain is not included.



▲ Included certificate of calibration contains 10 data points in each measuring direction. A combined certificate for the sensor and an indicator is available at time of order, part no. CERT-SI.

Capacity x Resolution

With Models M7I & M5I indicators					With Model M3I indicator		
lbF	ozF	kgF	N	kN	lbF	kgF	N
500 x 0.2	8000 x 5	250 x 0.1	2500 x 1	2.5 x 0.001	500 x 0.5	250 x 0.2	2500 x 2