



Universal sensors for tension and compression applications up to 10,000 lbF (50 kN). Threaded rods on each end allow for a variety of mounting configurations.

Compatible with Mark-10 indicators (sold separately), through unique Plug & Test® technology. A combined certificate for the sensor and an indicator is available at time of order, part no. CERT-SI.

## Specifications

<b>Accuracy:</b>	±0.5% of full scale + indicator
<b>Safe Overload:</b>	150% of full scale
<b>Weight:</b>	<b>MR08-2000:</b> 0.3 lb [0.1 kg] <b>MR08-5000:</b> 0.4 lb [0.1 kg] <b>MR08-10000:</b> 0.6 lb [0.2 kg]

## Features



▲ 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.

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**CERTIFICATE OF CALIBRATION**  
LONG FORCE

MODEL NO. M5-100	RELATIVE HUMIDITY (%)	47%
SERIAL NO. 3543852	TEMPERATURE (°F)	70.0 °F
DESCRIPTION: DIGITAL FORCE GAUGE	TOLERANCE (µF)	0.1
CAPACITY: 100 LBF	RESULT	0.02

READING NUMBER	MASTER READING	TENSION / CLOCKWISE	ERROR %FS	COMPRESSION / COUNTER-CLOCKWISE	ERROR %FS
1	10.00	10.02	0.02	9.98	-0.02
2	20.00	20.02	0.02	19.98	-0.02
3	30.00	30.02	0.02	30.02	0.02
4	40.00	40.04	0.04	40.04	0.04
5	50.00	50.04	0.04	50.04	0.04
6	60.00	60.04	0.04	60.04	0.04
7	70.00	70.02	0.02	70.02	0.02
8	80.00	80.02	0.02	80.02	0.02
9	90.00	90.00	0.00	90.00	0.00
10	100.00	100.00	0.00	100.00	0.00

TENSION / CLOCKWISE

COMPRESSION / COUNTER-CLOCKWISE

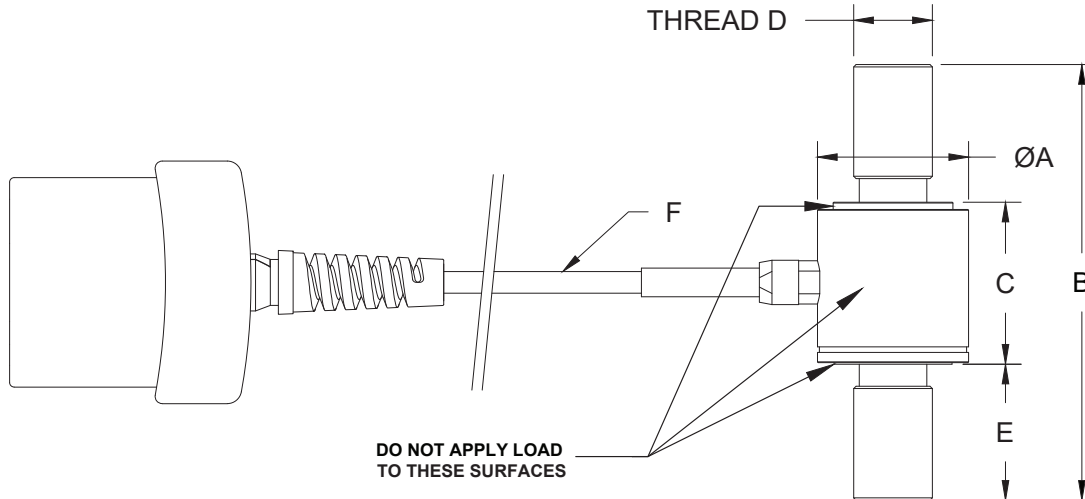
We hereby certify that the above instrument was calibrated according to procedures traceable to the National Institute of Standards & Technology (NIST), utilizing calibration equipment traceable to the requirements of ISO 9001:2008 and ISO/IEC 17025:2005. One or more of the below listed NIST traceability numbers apply.

70714-D21 70714-D22 70714-D23 70714-D24 70714-D25 70714-D26  
70118-A16 70714-D30 70714-D27 70118-A15 70714-D31

By: \_\_\_\_\_ Date: \_\_\_\_\_

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

## Dimensions in [mm]



Model No.	ØA	B	C	D	E	F
MR08-2000	0.96 [24.4]	1.50 [38.1]	0.72 [18.3]	3/8-24 UNF	0.39 [9.9]	10 ft [3m]
MR08-5000				1/2-20 UNF		
MR08-10000	1.11 [28.2]	2.77 [70.4]	1.03 [33.0]	3/4-16 UNF	0.87 [22.1]	

## Capacity x Resolution

Model No.	With Models M7I & M5I indicators						With Model M3I indicator			
	lbF	ozF	gF	kgF	N	kN	lbF	kgF	N	kN
MR08-2000	2000 x 1	32000 x 20	-	1000 x 0.5	10000 x 5	10 x 0.005	2000 x 2	1000 x 1	10000 x 10	-
MR08-5000	5000 x 2	-	-	2500 x 1	25000 x 10	25 x 0.01	5000 x 5	2500 x 2	-	25 x 0.02
MR08-10000	10000 x 5	-	-	5000 x 2	50000 x 25	50 x 0.02	10000 x 10	5000 x 5	-	50 x 0.05