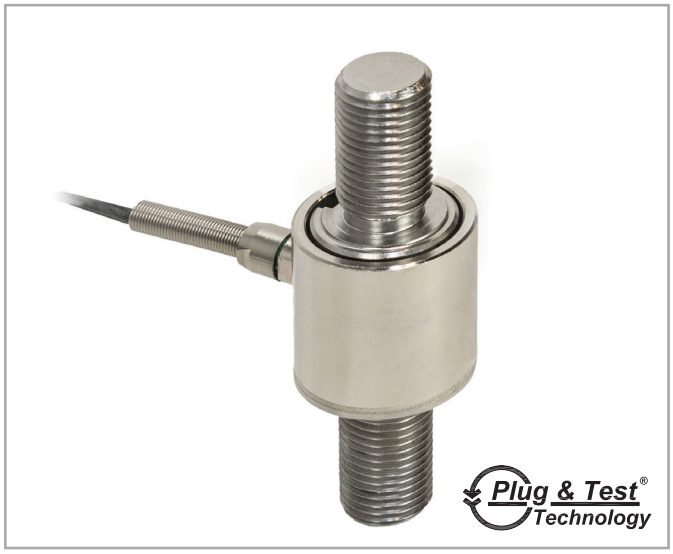


Universal sensors for tension and compression applications up to 10,000 lbF (50 kN). Threaded rods on each end allow for a variety of mounting configurations.

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

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

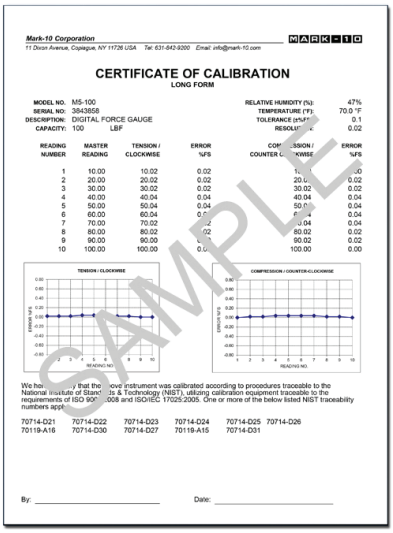
Features



▲ 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.


Mark-10 Corporation
11 Dixon Avenue, Copiague, NY 11726 USA Tel: 631-842-9200 Email: info@mark-10.com

MARK-10

CERTIFICATE OF CALIBRATION
LONG FORM

MODEL NO. M5-100
SERIAL NO: 3843858
DESCRIPTION: DIGITAL FORCE GAUGE
CAPACITY: 100 LBF
RELATIVE HUMIDITY (%): 47%
TEMPERATURE (°F): 70.0 °F
TOLERANCE (±%): 0.1
RESOLUTION: 0.02

READING NUMBER	MASTER READING	TENSION / CLOCKWISE	ERROR %FS	COMPRESSION / COUNTER CLOCKWISE	ERROR %FS
1	10.00	10.02	0.02		
2	20.00	20.02	0.02	20.02	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		0.04
7	70.00	70.02	0.02	70.04	0.04
8	80.00	80.02	0.02	80.02	0.02
9	90.00	90.00	0.00	90.02	0.02
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:

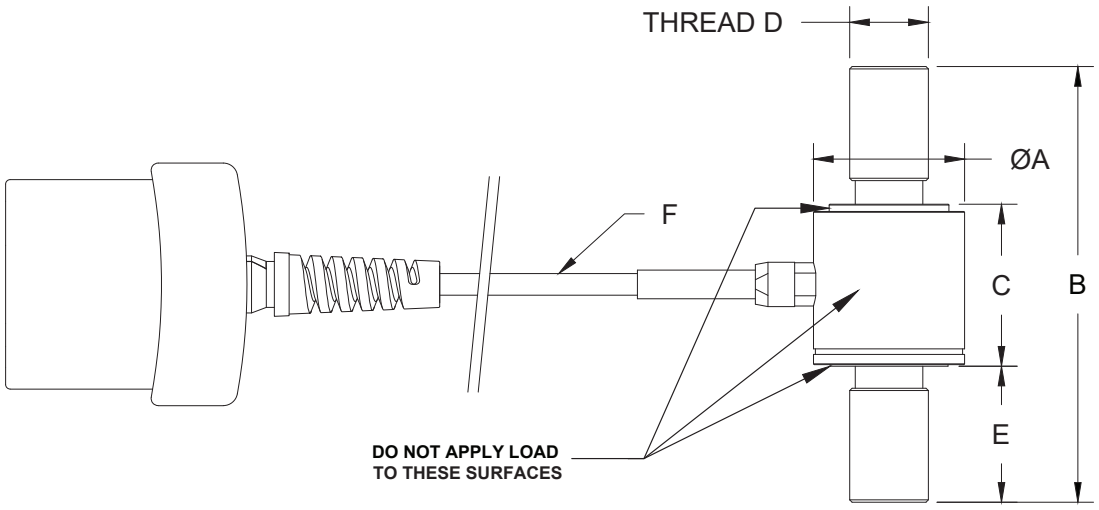
70714-D21 70714-D22 70714-D23 70714-D24 70714-D25 70714-D26
70119-A16 70714-D30 70714-D27 70119-A15 70714-D31

By: _____ Date: _____

SAMPLE

▲ 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		2.77 [70.4]		1/2-20 UNF	0.87 [22.1]	
MR08-10000	1.11 [28.2]		1.03 [33.0]	3/4-16 UNF		

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