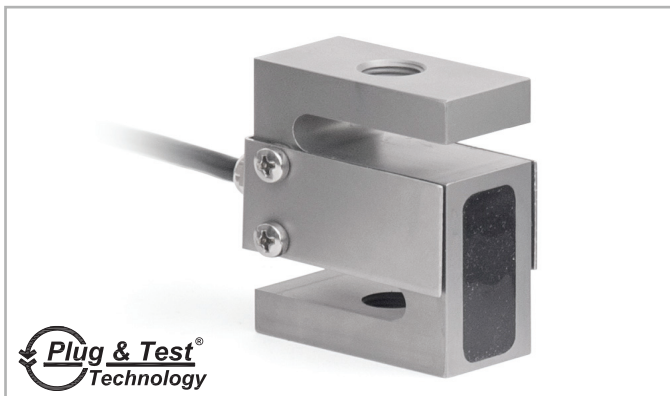




Data Sheet

Plug and Test® Force Sensors Series R07

32-1243



Series R07 force sensors measure tension and compression force, and are designed for use with Models F755, F755S, F1505, and F1505S test frames. Capacities available from 50 to 1,500 lbf [250 N to 7.5 kN]. Also compatible with Mark-10 indicators (sold separately) through unique Plug & Test® technology. Includes a certificate of calibration with data.



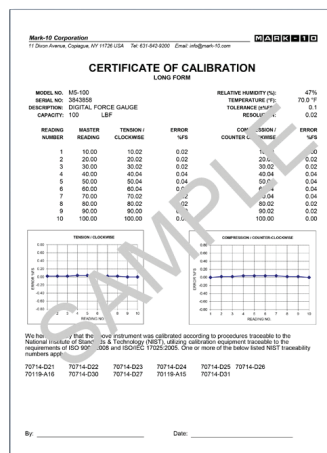
Specifications

Accuracy:	±0.15% of full scale + indicator or test frame
Safe Overload:	150% of full scale
Weight:	From 1.9 lb [0.9 kg], depending on model

Features



< Series R07 sensor is shown mounted to the crosshead of an F1505 test frame.



< Included certificate of calibration contains 10 data points in each measuring direction.



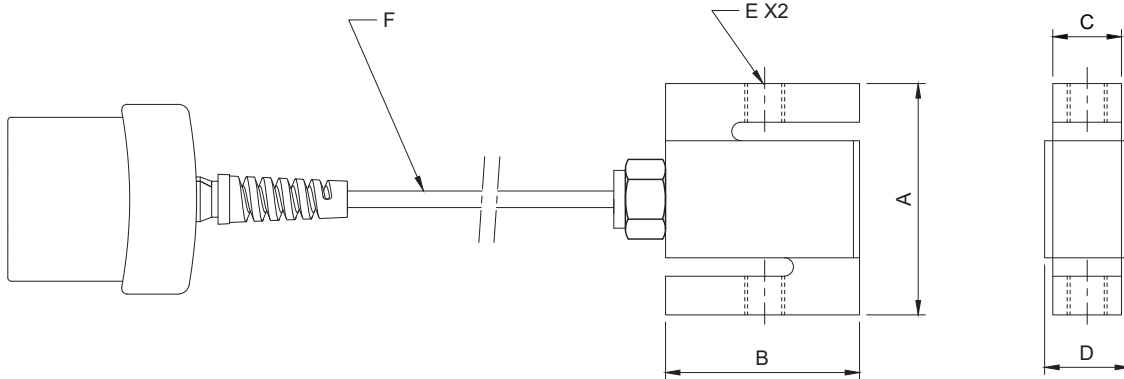
< Unique Plug & Test® technology allows for interchangeable sensors to be used with any Mark-10 indicator. All calibration and configuration data is saved in the smart connector. Series R07 may be calibrated on a Series F test frame or with a Model M5I or M7I indicator.



< 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.

Data Sheet

Dimensions in [mm]



Model No.	A	B	C	D	E	F
MR07-50	2.40 [61.0]	2.00 [50.8]	0.46	0.90	1/4-28	10 in [254 mm]
MR07-100			[11.7]	[22.9]	UNF	
MR07-200						
MR07-300						
MR07-500						
MR07-750						
MR07-1000						
MR07-1500			0.96 [24.4]	1.40 [35.6]	1/2-20 UNF	

Optional Items



AC1084

Plug & Test® Extension cable

24 in. / 610 mm extension facilitates easier connection to a Model M5I or M7I indicator for calibration.

Capacity x Resolution

Model No.	lbF	ozF	gF	kgF	N	kN
MR07-50	50 x 0.02	800 x 0.5	25000 x 10	25 x 0.01	250 x 0.1	-
MR07-100	100 x 0.05	1600 x 1	50000 x 20	50 x 0.02	500 x 0.2	-
MR07-200	200 x 0.1	3200 x 2	-	100 x 0.05	1000 x 0.5	1 x 0.0005
MR07-300	300 x 0.2	4800 x 5	-	150 x 0.1	1500 x 1	1.5 x 0.001
MR07-500	500 x 0.2	8000 x 5	-	250 x 0.1	2500 x 1	2.5 x 0.001
MR07-750	750 x 0.5	12000 x 10	-	375 x 0.2	3750 x 2	3.75 x 0.002
MR07-1000	1000 x 0.5	16000 x 10	-	500 x 0.2	5000 x 2	5 x 0.002
MR07-1500	1500 x 1	24000 x 20	-	750 x 0.5	7500 x 5	7.5 x 0.005