32-1130 REV 0917

Plug & Test™ Technology
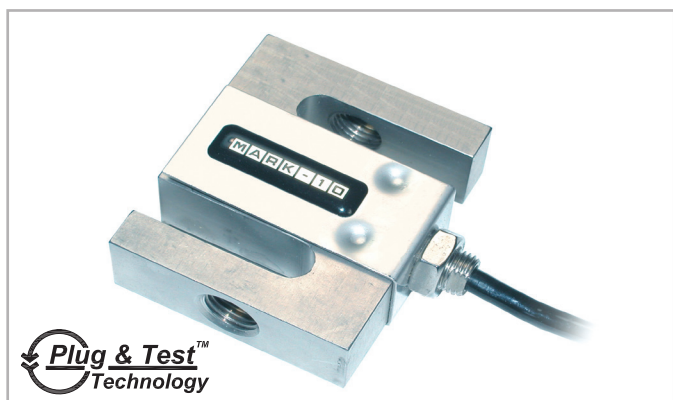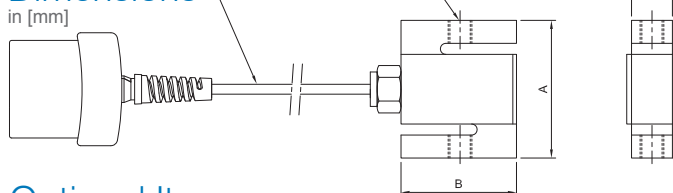
Series R01 rugged smart sensors are designed for measuring tension and compression force, with applications in virtually every industry. Durable S-Beam design with threaded holes on two sides allows for many configurations. The sensor can be integrated into an existing system or mounted to a Mark-10 test stand. A shortened cable is available for mounting to certain test stand models (when equipped with optional AC1062 mounting kit)*. Capacities available from 50 to 10,000 lbF [250 N to 50 kN]. Compatible with Mark-10 indicators (sold separately) through unique Plug & Test™ technology.

< 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.

< 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.

^ Optional AC1062 mounting kit adapts a Series R01 sensor to an ESM303 test stand.*

^ Series R01 sensor with shortened cable is shown mounted to an ESM1500LC test stand.*

Specifications

Accuracy:	±0.15% of full scale + indicator
Safe Overload:	150% of full scale
Weight:	1.9 to 3.0 lb [0.9 to 1.4 kg], depending on model

Dimensions
in [mm]

Optional Items

AC1018	Mounting kit, Series R01/R03 to test stand (except ESM303, ESM303H, ESM1500, ESM1500S, ESM750S, & TSB100)
AC1062	Mounting kit, Series R01/R03/indicator to ESM303

Model No.	A	B	C	D	E	F
MR01-50*			0.46 [11.7]	0.65 [16.5]	1/4-28 UNF	
MR01-100*						
MR01-200*						
MR01-500*	2.40 [61.0]	2.00 [50.8]	0.71 [18.0]	0.90 [22.9]	1/2-20 UNF	MR01-XXXXX: 20 ft [6 m]
MR01-750*						
MR01-1000*						MR01-XXXX-1*
MR01-1500*						10 in [254 mm]*
MR01-2000*			0.96 [24.4]	1.15 [29.2]	3/4-16 UNF	
MR01-5000	3.90 [99.1]	3.00 [76.2]				
MR01-10000						

Capacity x Resolution

Model No.	With Models 7i & 5i indicators						With Model 3i indicator			
	lbF	ozF	gF	kgF	N	kN	lbF	kgF	N	kN
MR01-50*	50 x 0.02	800 x 0.5	25000 x 10	25 x 0.01	250 x 0.1	-	50 x 0.05	25 x 0.02	250 x 0.2	-
MR01-100*	100 x 0.05	1600 x 1	50000 x 20	50 x 0.02	500 x 0.2	-	100 x 0.1	50 x 0.05	500 x 0.5	-
MR01-200*	200 x 0.1	3200 x 2	-	100 x 0.05	1000 x 0.5	1 x 0.0005	200 x 0.2	100 x 0.1	1000 x 1	-
MR01-500*	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	-
MR01-750*	750 x 0.5	12000 x 10	-	375 x 0.2	3750 x 2	3.75 x 0.002	750 x 0.5	375 x 0.2	3750 x 2	-
MR01-1000*	1000 x 0.5	16000 x 10	-	500 x 0.2	5000 x 2	5 x 0.002	1000 x 1	500 x 0.5	5000 x 5	-
MR01-1500*	1500 x 1	24000 x 20	-	750 x 0.5	7500 x 5	7.5 x 0.005	1500 x 2	750 x 1	7500 x 10	-
MR01-2000*	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	-
MR01-5000	5000 x 2	-	-	2500 x 1	25000 x 10	25 x 0.01	5000 x 5	2500 x 2	-	25 x 0.02
MR01-10000	10000 x 5	-	-	5000 x 2	50000 x 25	50 x 0.02	10000 x 10	5000 x 5	-	50 x 0.05

* Add suffix "-1" for short-ened cable, for use on the ESM1500LC, ESM1500SLC, ESM750SLC, ESM303, and ESM303H test stands.

Ex: MR01-1000-1.

Test stand mounting hardware is included.

ELECTROMATIC Equip't Co., Inc., 600 Oakland Ave, Cedarhurst, New York 11516 - USA
Tel: 800-645-4330 / 516-295-4300 **Fax**: 516-295-4399 **Web**: CheckLine.com **Email**: info@CheckLine.com