

SERIES R03 - PLUG AND TEST™ FORCE SENSOR

Series R03 smart sensors are designed for tension and compression measurement applications in virtually every industry. Threaded holes on two sides can accept a variety of hooks and implements, making this sensor particularly well suited for inline tests. Capacities available from 0.25 to 100 lbF [1 to 500 N]. Compatible with Mark-10 model 5i and 3i indicators (sold separately) through unique Plug & Test™ technology.

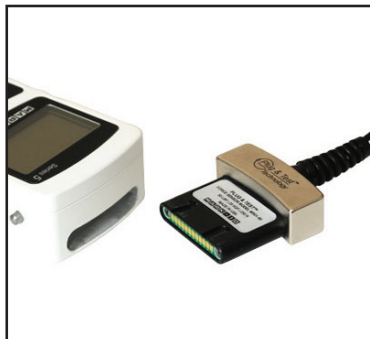
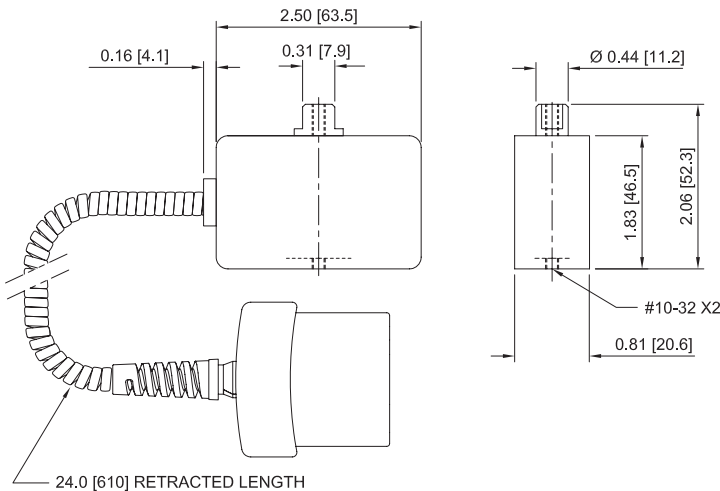
- **COMPATIBLE WITH THE 5i AND 3i DIGITAL INDICATORS**
- **UNIQUE PLUG & TEST™ CONNECTOR HOLDS ALL CALIBRATION AND CONFIGURATION DATA**
- **RUGGED ALUMINUM HOUSING**
- **MEASURES TENSILE AND COMPRESSIVE FORCES**
- **NIST-TRACEABLE CERTIFICATE OF CALIBRATION INCLUDED**
- **ACCURACY: ± 0.15% OF FULL SCALE ± 1 DIGIT + INDICATOR**
- **WEIGHT: 0.4 LBS (0.2 KG)**
- **WARRANTY: 3 YEARS**

SPECIFICATIONS

ACCURACY:	±0.15% of full scale + indicator
SAFE OVERLOAD:	MR03-025 - MR03-2: 200% of full scale MR03-5 - MR03-100: 150% of full scale
WEIGHT:	0.4 lb [0.2 kg]

Optional Item

AC1018	Mounting kit, Series R01/R03 to test stand
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Unique Plug & Test™ technology allows for interchangeable sensors to be used with a Mark-10 model 5i or 3i 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 AC1018 mounting kit adapts a Series R03 sensor to a Mark-10 test stand.



The load cell shaft includes flat surfaces as well as a threaded hole to accommodate attachments.

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Model No.	CAPACITY x RESOLUTION									
	with Model 5i indicator						with Model 3i indicator			
	lbF	ozF	gF	kgF	N	mN	lbF	gF	kgF	N
MR03-025	0.25 x 0.0001	4 x 0.002	100 x 0.05	-	1 x 0.0005	1000 x 0.5	0.25 x 0.0002	100 x 0.1	-	1 x 0.001
MR03-05	0.5 x 0.0002	8 x 0.005	250 x 0.1	-	2.5 x 0.001	2500 x 1	0.5 x 0.0005	250 x 0.2	-	2.5 x 0.002
MR03-2	2 x 0.001	32 x 0.02	1000 x 0.5	1 x 0.0005	10 x 0.005	-	2 x 0.002	-	1 x 0.001	10 x 0.01
MR03-5	5 x 0.002	80 x 0.05	2500 x 1	2.5 x 0.001	25 x 0.01	-	5 x 0.005	-	2.5 x 0.002	25 x 0.02
MR03-10	10 x 0.005	160 x 0.1	5000 x 2	5 x 0.002	50 x 0.02	-	10 x 0.01	-	5 x 0.005	50 x 0.05
MR03-20	20 x 0.01	320 x 0.2	10000 x 5	10 x 0.005	100 x 0.05	-	20 x 0.02	-	10 x 0.01	100 x 0.1
MR03-50	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
MR03-100	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