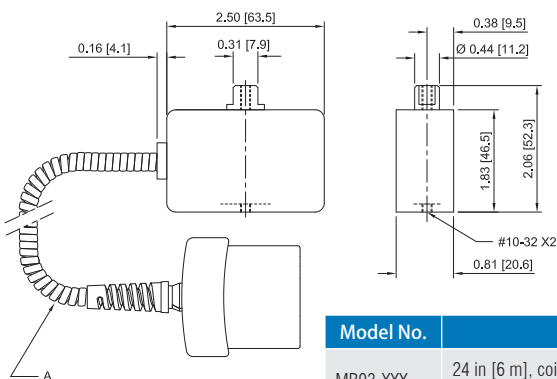Hooks not included

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. A shortened cable is available for mounting to certain test stand models (when equipped with optional AC1062 mounting kit)*. Capacities available from 0.25 to 100 lbF [1 to 500 N]. Compatible with Mark-10 indicators (sold separately) through unique Plug & Test™ technology.

< 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.
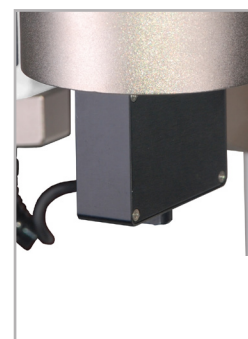
< The Plug & Test™ connector locks into the receptacle in the indicator when fully inserted. Dual buttons on the indicator housing release the connector for easy removal. Gold plated spring contacts ensure long lasting and reliable connection.

## Specifications

| | |
|---|---|
| **Accuracy:** | ±0.15% of full scale + indicator |
| **Safe Overload:** | 150% of full scale |
| **Weight:** | 0.4 lb [0.2 kg] |



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

^ Optional AC1018 mounting kit adapts a Series R03 sensor to a Mark-10 test stand.

^ Series R03 sensor with shortened cable is shown mounted to an ESM1500LC test stand.*

| Model No. | A |
|---|---|
| MR03-XXX | 24 in [6 m], coiled, when retracted 10 ft [3 m], coiled, when stretched |
| MR03-XXX-1* | 10 in [254 mm], straight* |

## 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 |

## Capacity x Resolution

| Model No. | With Models 7i & 5i indicators | | | | | | 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 |

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

Ex: MR03-50-1.

Test stand mounting hardware is included.

**MARK-10**

**Mark-10 Corporation** ■ www.mark-10.com ■ info@mark-10.com
Toll-free: 888-MARK-TEN ■ Tel: 631-842-9200 ■ Fax: 631-842-9201

**3 YEAR WARRANTY**

Specifications subject to change without prior notice