



Series FS05 force sensors measure tension and compression force, and are designed for use with Series F test frames. Capacities available from 0.12 to 500 lbf [0.5 N to 2.5 kN]. Also compatible with Mark-10 indicators (sold separately) through unique Plug & Test® technology. Includes a certificate of calibration with data.

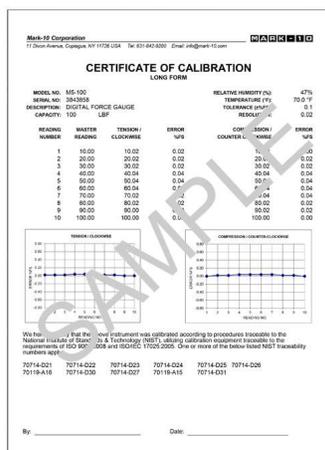
## Specifications

<b>Accuracy:</b>	±0.1% of full scale + indicator or test frame
<b>Safe Overload:</b>	150% of full scale
<b>Weight:</b>	<b>FS05-012 - FS05-100</b> [0.5 kg] <b>FS05-200 - FS05-500</b> [0.6 kg]

## Features

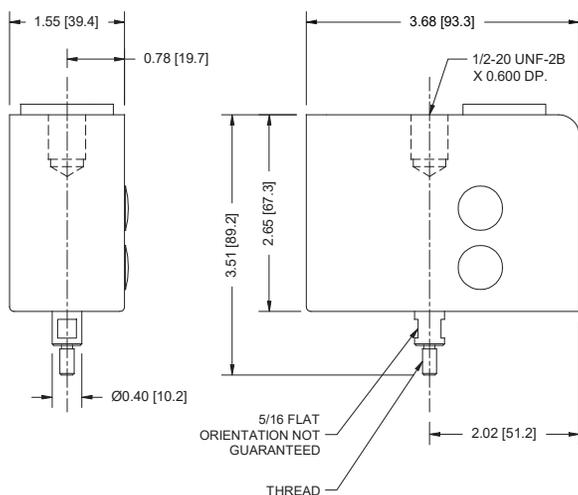


< Series FS05 sensor is shown mounted to the crosshead of an F305 test frame, configured for a tensile test.



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

## Dimensions



Model No.	Thread
FS05-012 - FS05-100	#10-32 UNF
FS05-200 - FS05-500	5/16-18 UNC

## Optional Items



**AC1083**  
**Adapter, FS05 to Plug & Test® connectoPlug & Test® Extension cable**  
 Adapts a Series FS05 load cell to Plug & Test type interface, for use with a Mark-10 indicator. Also allows for mounting to Models F755(S) and F1505(S). Shown above with Model M5I indicator.



**AC1084**  
**24 in. / 610 mm extension facilitates easier connection to a Model M5I or M7I indicator for calibration.**

## In The Box



Series FS05 are shipped as shown at left, and include the following accessories:

- (1) Extension rod \*
- (1) Hook \*
- (1) Cone \*
- (1) Chisel \*
- (1) V-Groove \*
- (1) Flat \*
- (1) Coupling \*
- (1) Certificate of calibration with data

\* The specific accessory depends on the model. Refer to the website for details.

## Capacity x Resolution

Model No.	lbF	ozF	gF	kgF	N	kN	mN
<b>FS05-012</b>	0.12 x 0.00002	2 x 0.0005	50 x 0.01	-	0.5 x 0.0001	-	500 x 0.1
<b>FS05-025</b>	0.25 x 0.0001	4 x 0.002	100 x 0.05	-	1 x 0.0005	-	1000 x 0.5
<b>FS05-05</b>	0.5 x 0.0002	8 x 0.005	250 x 0.1	-	2.5 x 0.001	-	2500 x 1
<b>FS05-2</b>	2 x 0.001	32 x 0.02	1000 x 0.5	1 x 0.0005	10 x 0.005	-	-
<b>FS05-5</b>	5 x 0.002	80 x 0.05	2500 x 1	2.5 x 0.001	25 x 0.01	-	-
<b>FS05-10</b>	10 x 0.005	160 x 0.1	5000 x 2	5 x 0.002	50 x 0.02	-	-
<b>FS05-20</b>	20 x 0.01	320 x 0.2	10000 x 5	10 x 0.005	100 x 0.05	-	-
<b>FS05-50</b>	50 x 0.02	800 x 0.5	25000 x 10	25 x 0.01	250 x 0.1	-	-
<b>FS05-100</b>	100 x 0.05	1600 x 1	50000 x 20	50 x 0.02	500 x 0.2	-	-
<b>FS05-200</b>	200 x 0.1	3200 x 2	-	100 x 0.05	1000 x 0.5	1 x 0.0005	-
<b>FS05-300</b>	300 x 0.1	4800 x 2	-	150 x 0.05	1500 x 0.5	1.5 x 0.0005	-
<b>FS05-500</b>	500 x 0.2	8000 x 5	-	250 x 0.1	2500 x 1	2.5 x 0.001	-