

## 5 SERIES R02 FORCE SENSORS



### 5.1 Unpacking and Assembly

Carefully remove the sensor from the box. No assembly is required.

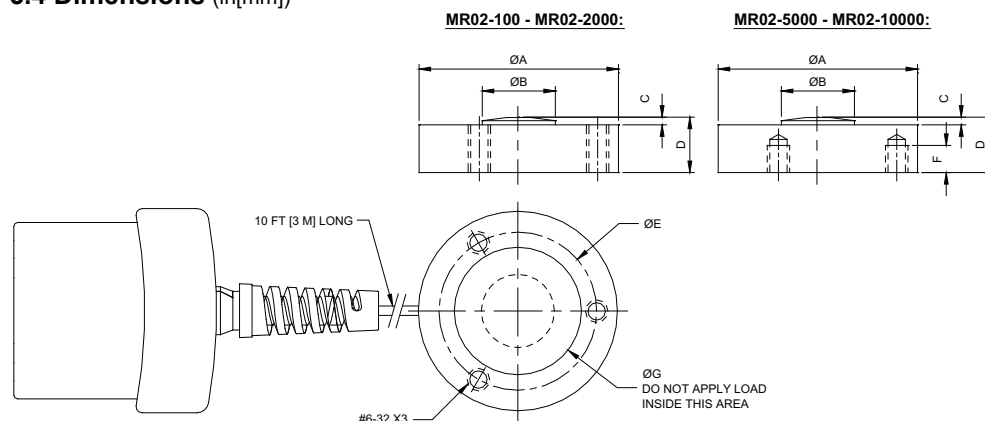
### 5.2 Overview

Compression force may be applied to the button in the center of the top surface of the sensor (visible in the picture above). **DO NOT** apply load to the cover on the underside of the sensor. Threaded holes are supplied to permit mounting to various surfaces.

### 5.3 Specifications

Accuracy:	±0.5% of full scale
Safe overload:	150% of full scale
Operating temperature:	40°F – 100°F [5°C – 38°C]
Operating humidity:	96% max. (non-condensing)
Weight:	MR02-100 - MR02-2000: 0.3 lb [0.1 kg] MR02-5000 - MR02-10000: 0.5 lb [0.2 kg]

### 5.4 Dimensions (in[mm])



Model	ØA	ØB	C	D	ØE	F	ØG
MR02-100 – MR02-2000	1.25 [31.8]	0.32 [8.1]	0.05 [1.3]	0.39 [9.9]	1.0 [25.4]	-	0.83 [21.1]
MR02-5000 – MR02-10000	1.50 [38.1]	0.43 [10.9]	0.07 [1.8]	0.62 [15.8]	1.25 [31.8]	0.25 [6.4]	1.08 [27.4]

### 5.5 Capacity x Resolution

Model No.	With Model 7i / 5i Indicator						With Model 3i Indicator			
	lbF	ozF	gF	kgF	N	kN	lbF	kgF	N	kN
MR02-100	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	-
MR02-200	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	-
MR02-500	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	-
MR02-1000	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	-
MR02-2000	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	-
MR02-5000	5000 x 2	-	-	2500 x 1	25000 x 10	25 x 0.01	5000 x 5	2500 x 2	-	25 x 0.02
MR02-10000	10000 x 5	-	-	5000 x 2	50000 x 25	50 x 0.02	10000 x 10	5000 x 5	-	50 x 0.05