

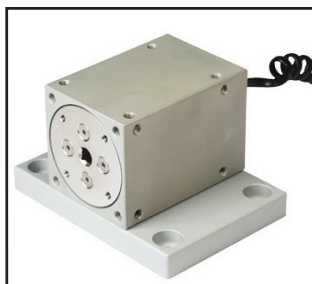
SERIES R52 - PLUG AND TEST™ TORQUE SENSOR

Series R52 smart sensors measure bi-directional torque for a wide variety of applications across virtually all industries. Calibrate torque tools, or use these sensors as components of a torque testing system. Tapped holes on every surface allow for easy mounting to a work bench or fixture. Capacities available from 10 ozFin to 100 lbFin [7 to 1150 Ncm]. Compatible with Mark-10 model 5i and 3i indicators (sold separately) through unique Plug & Test™ technology.

SPECIFICATIONS

ACCURACY:	±0.35% of full scale + indicator
SAFE OVERLOAD:	MR52-10Z - MR52-50Z: 300% of full scale MR52-12 - MR52-100: 150% of full scale
WEIGHT:	1.2 lb [0.5 kg]

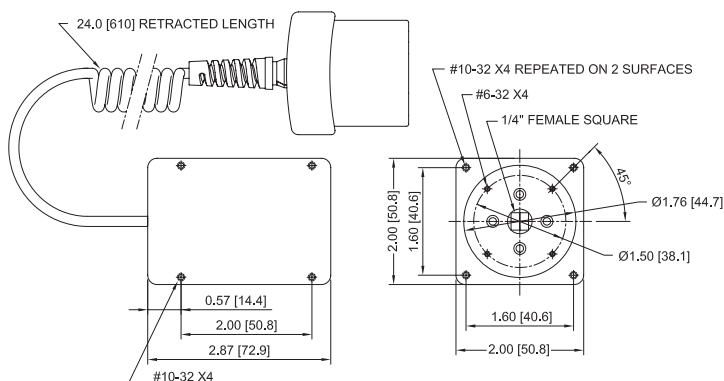
- **COMPATIBLE WITH THE 5i AND 3i DIGITAL INDICATORS**
- **UNIQUE PLUG & TEST™ CONNECTOR HOLDS ALL CALIBRATION AND CONFIGURATION DATA**
- **RUGGED ALUMINUM HOUSING**
- **UNIVERSAL MOUNTING**
- **MAY BE USED FOR TORQUE TOOL CALIBRATION OR AS A COMPONENT OF A TORQUE TESTING SYSTEM**
- **NIST-TRACEABLE CERTIFICATE OF CALIBRATION INCLUDED**
- **ACCURACY: ± 0.35% OF FULL SCALE ± 1 DIGIT + INDICATOR**
- **WEIGHT: 1.2 LBS (0.5 KG)**
- **WARRANTY: 3 YEARS**



Series R52 torque sensors include threaded holes on all surfaces for flexibility in a variety of mounting configurations. Shown above with the optional AC1006 tabletop mounting kit.



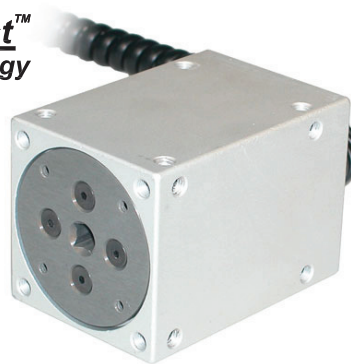
A Series R52 torque sensor is shown with the optional AC1014 Jacobs chuck attachment.



Optional Item

AC1006	Mounting kit, tabletop, Series R52
AC1014	3/8" Jacobs chuck, Series R52

SERIES R52



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.

SERIES R52 - PLUG AND TEST™ TORQUE SENSOR

Model No.	CAPACITY x RESOLUTION with Model 5i indicator							
	ozFin	lbFin	lbFft	gFcm	kgFmm	Nmm	Ncm	Nm
MR52-10Z	10 x 0.005	-	-	700 x 0.5	7 x 0.005	70 x 0.05	7 x 0.005	-
MR52-20Z	20 x 0.01	-	-	1400 x 1	14 x 0.01	140 x 0.1	14 x 0.01	-
MR52-50Z	50 x 0.02	-	-	3600 x 2	36 x 0.02	350 x 0.2	35 x 0.02	-
MR52-12	-	12 x 0.005	1 x 0.0005	-	140 x 0.1	-	135 x 0.1	1.35 x 0.001
MR52-50	-	50 x 0.02	4 x 0.002	-	580 x 0.5	-	570 x 0.5	5.7 x 0.005
MR52-100	-	100 x 0.05	8 x 0.005	-	1150 x 0.5	-	1150 x 0.5	11.5 x 0.005

Model No.	CAPACITY x RESOLUTION with Model 3i indicator			
	ozFin	lbFin	kgFmm	Ncm
MR52-10Z	10 x 0.01	-	7 x 0.005	7 x 0.005
MR52-20Z	20 x 0.02	-	14 x 0.01	14 x 0.01
MR52-50Z	50 x 0.05	-	36 x 0.05	35 x 0.05
MR52-12	-	12 x 0.01	140 x 0.1	135 x 0.1
MR52-50	-	50 x 0.05	580 x 0.5	570 x 0.5
MR52-100	-	100 x 0.1	1150 x 1	1150 x 1