

# BMX

## Torque Reaction Sensor with ARCII Technology

Model	Item #	Torque Ranges	
		American	S.I.
BMX20z	077000	2 - 20 ozf.in	1.5 - 14 cN.m
BMX40z	077001	4 - 40 ozf.in	2.9 - 28.2 cN.m
BMX80z	077002	8 - 80 ozf.in	5.7 - 56.5 cN.m
BMX10i	077003	1 - 10 lbf.in	11.3 - 113 cN.m
BMX25i	077004	2.5 - 25 lbf.in	28 - 282.5 cN.m
BMX50i	077005	5 - 50 lbf.in	56.5 - 565 cN.m
BMX100i	077006	10 - 100 lbf.in	113 - 1130 cN.m
BMX250i	077007	25 - 250 lbf.in	282.5 - 2825 cN.m
BMX500i	077008	50 - 500 lbf.in	565 - 5650 cN.m
BMX750i	077009	75 - 750 lbf.in	847 - 8473 cN.m
BMX50F	077010	5 - 50 lbf.ft	6.8 - 67.8 N.m
BMX100F	077011	10 - 100 lbf.ft	13.6 - 135.6 N.m
BMX250F	077012	25 - 250 lbf.ft	33.9 - 339 N.m
BMX500F	077013	50 - 500 lbf.ft	67.8 - 678 N.m
BMX1000F	077014	100 - 1000 lbf.ft	135.6 - 1355 N.m
BMX2500F	077015	250 - 2500 lbf.ft	339 - 3389 N.m
BMX5000F	077016	500 - 5000 lbf.ft	678 - 6779 N.m
BMX10000F	077017	1000 - 10000 lbf.ft	1335 - 13558 N.m
BMX20000F	077018	2000 - 20000 lbf.ft	2711 - 27116 N.m

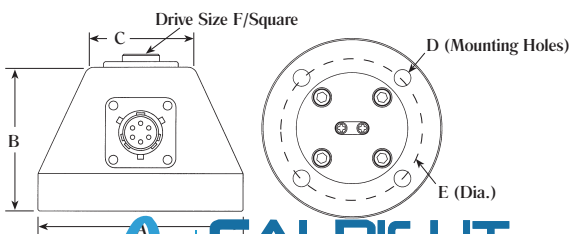
### SPECIFICATIONS

Rated Output: 2mv/v Nominal      Bridge Resistance: 350 Ohms Nominal  
 Safe Overload: 125% of Rated Output      Nonlinearity: ± 0.1% of Rated Output

### DIMENSIONS

Model	A	B	C	D	E	Drive Size
BMX20z	2.75	2.1	1.7	0.25	2.175	1/4
BMX40z	2.75	2.1	1.7	0.25	2.175	1/4
BMX80z	2.75	2.1	1.7	0.25	2.175	1/4
BMX10i	2.75	2.1	1.7	0.25	2.175	1/4
BMX25i	2.75	2.1	1.7	0.25	2.175	1/4
BMX50i	2.75	2.1	1.7	0.25	2.175	1/4
BMX100i	2.75	2.1	1.7	0.25	2.175	1/4
BMX250i	2.75	2.1	1.7	0.25	2.175	1/4
BMX500i	2.75	2.1	1.7	0.25	2.175	3/8
BMX750i	2.75	2.1	1.75	0.25	2.175	3/8
BMX50F	2.75	2.1	1.75	0.25	2.175	3/8
BMX100F	4	2.75	2.25	0.413	3	1/2
BMX250F	4	2.75	2.25	0.413	3	1/2
BMX500F	4	3	2.4	0.413	3	3/4
BMX1000F	4	3.75	2.38	0.406	3	1
BMX2500F	6	4.65	3.88	0.531	4.75	1 1/2
BMX5000F	6	4.65	3.88	0.531	4.75	1 1/2
BMX10000F	10.5	10.5	6.5	0.781*	8.875	2 1/2
BMX20000F	10.5	10.5	6.5	0.781*	8.875	2 1/2

\*Models have 8 mounting holes.



**CALRIGHT INSTRUMENTS**

The Right Source For Your Test & Measurement



### KEY FEATURES

Accuracy ± 0.25% of full scale\*  
 Accuracy ± 0.5% of full scale (BMX10000F, 20000F)\*

For calibrating hand screwdrivers, wrenches, and power tools.

Various models that range from 2 ozf.in to 20000 lbf.ft.

Features "ARCII" technology, an instant auto-recognition system of the BMX connected to the FTA-100, LTT and PTT.

Mountable.

Female square drive.

Bi-directional.

### BMX CABLES

Item #072002

For connecting to FTA-100, LTT or PTT

### CONNECTION

- A = Excitation (+)
- B = Excitation (-)
- C = Signal (-)
- D = Signal (+)
- E = N/A
- F = N/A



### NOTE!

\*This is the "stand alone" accuracy for the torque sensor. When the sensor is coupled with a Mountz torque analyzer, there is a system accuracy. Review the system accuracy listed with each torque analyzer.

### EZ PLUG & PLAY

### CERTIFIED

Supplied with Free ISO 17025 Certification of Calibration.

### WARNING!

Always use a run down adapter when testing power tools. Not recommended for impact wrenches.

CONNECT WITH A:



### LTT

Offers "EZ-Plug & Play" with instant auto recognition with Mountz "ARCII" transducers. SEE PAGE 01.3



### MOUNTING BRACKET

SEE PAGE 01.17