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Torque Multipliers

Torque Screwdrivers

Torque Wrenches

BLRTSX-RAU Brushless Rotary Torque & Angle Shaft Sensor with Mounting Base



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The Mountz brushless rotary torque and angle shaft sensors are design for precision torque testing. Used for a variety automotive applications like starters, alternators, wiper motors, ABS, brakes, clutches, servo steering components, etc. Ideal for motor testings or rotational measurement applications.

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Non-contact signal transfer and maintenance free.

The brushless rotary torque & angle sensor is a compact design & bi-directional.

Features a built-in mounting base.

Used for a variety automotive applications like starters, alternators, wiper motors, ABS, brakes, clutches, servo steering components, etc.

Motor testing, high RPM tools or rotational measurement applications.

Angle output: 2-channel quadrature, 360 pulses per rotation.

Ability to measure the rotation angle of a fastener. Joint rate & breakaway torque can be measured too.

Features ARCII technology, an instant auto-recognition system of the BLRTSX connected to the [PTT](#) or [LTT](#).

Accuracy \pm .2% of full scale*.

Note: * This is the stand alone accuracy for the torque sensor. When the torque sensor is coupled with a Mountz torque analyzer, there is a system accuracy. Review the system accuracy listed with each torque analyzer ([PTT](#) or [LTT](#)).

Torque Ranges

Model	Item #	American	S.I.	Input Drive	Output Drive
BLRTSX140z-RAU	170276	25 - 140 ozf.in	18 - 98.8 cN.m	Shaft	Shaft
BLRTSX18i-RAU	170277	2 - 18 lbf.in	22.5 - 203 cN.m	Shaft	Shaft
BLRTSX44i-RAU	170278	4 - 44 lbf.in	45.2 - 497 cN.m	Shaft	Shaft
BLRTSX89i-RAU	170279	10 - 89 lbf.in	113 -1005 cN.m	Shaft	Shaft
BLRTSX177i-RAU	170280	18 - 177 lbf.in	203.4 - 2000 cN.m	Shaft	Shaft
BLRTSX36F-RAU	170281	4 - 36 lbf.ft	5 - 50 N.m	Shaft	Shaft

Torque Tool Product By Application

Hand Tools

Power Tools

Torque Measurement & Verification

Material Handling and Ergonomics



Certified: Supplied with NIST-Traceable Certification of Calibration



BLRTSX-RAU Pin Connection

A = Ground (Shunt Calibration)
 B = Angle 1 Speed
 C = Torque Output
 D = Ground (Torque Output)
 E = Ground (Supply)



Error Proof and Screw Counting

Automations & Robotics

RF, COAX & SMA Torque

Wrenches

F = Supply, 11-26 VDC, 1 W
G = Angle 2 (90 running after Angle 1)
H = +5V (Angle Voltage)
K = Shunt Calibration
M = Shield
J & L = N/A



Note! For optimum performance, it is recommended to utilize coupling in order to minimize extraneous load & moments due to misalignment. Contact customer service for information.

[Cable Chart](#) [Data Sheet](#) [Specifications](#)

BLRTSX-RAU Sensor - Specifications

Rated Output: +/- 5VDC +/- 0.2% FS
Excitation Recommended: 11VDC to 26VDC (pole secure)
Nonlinearity: 0.2% FS
Usable Temperature Range 41 to 122 F
Mating Connector: Tuchel Series 581 (98-2030-09-12)
Safe Overload: 150% of Rated Output

Mountz - The Torque Tool Specialists ®

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