
Monad Electronics

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Introduction



Winner of National Award for year 2009-2010 in R&D

Monad Electronics is An ISO 9001:2015 certified company, which has over the last 18 years been involved in the business of Exporting, designing & manufacturing, Electronics Industrial products, Testing equipments , sensors and related indicating and controlling devices and allied products related to Data logging & Acquisition.

We are specialized in providing consultancy for itemized engineering Test ring and Projects. We are also interested in taking - up the project development, recommending and mfg. sensing and related components, service providing in installation & commissioning.

We are in this field from last 16 years and also Exporting our products to USA, Germany, Belgium, Turkey, Australia, UAE, Singapore, Spain, Brazil, New Zealand, Philippines, UK, Croatia and African countries. We have good track record of import substitute high end equipment development and supplying to leading industries and government institutes.

Digital Torque Meters

Monad's Digital Torque Meters are finally tuned Laboratory grade instruments designed for Testing, monitoring and Calibrating hand screwdrivers, pneumatics screwdrivers, torque wrenches, electric screwdrivers, pulse tools, cordless screwdrivers, torque multipliers and other torque tools.

Using a quality torque sensor is key for many companies to ensure that the proper torque is being applied to the screws.

Available in wide range capacity, accuracy, Compact in size and various models.

MT-5H Series Digital Torque Meter

MT-5H Series Digital Torque Meter is a designed specially for testing and calibrating of Torque wrenches.

Features

- * Electronic digital torque meter, MT-5H can be used clockwise or anticlockwise
- * Reading accuracy of (+/-) 0.1 % accuracy
- * Serial output RS 232 for Data logging & test report printing
- * Capacity from 100 N.m to 5000 N.m
- * Interchangeable measuring units Nm-Kgf.m-Kgf.cm-N.cm
- * Supply range is 220V V AC at 50/60 Hz
- * Tolerance test according to norm ISO 6789
- * Peak reading Display
- * Battery Backup Option

MT-5H Series Digital Torque Meter



MT-5H Series Digital Torque Meter

Specifications:-

Capacity	10 Nm, 100 Nm, 1000 Nm Comes with 2 Torque Sensor, Interchangeable and Auto Detection
Rated Output	2mv/v
Safe Over Load	150% of RO
Zero Balance	$\pm 0.05\%$ of RO
Excitation	10 V DC maximum
Non Linearity	$\pm 0.05\%$ of RO
Non Repeatability	$\pm 0.05\%$ of RO
Hysteresis	$\pm 0.05\%$ of RO
Temperature Shift Zero	$\pm 0.01\%$ of RO
Temperature Shift Span	$\pm 0.02\%$ of RO
Compensated Temperature	0°C to 50°C
Operating Temperature	-10°C to 50°C

MTC Series Torque Meter

MTC Series Digital Torque Meter is a metrologic instrument designed special for various torque testing and measuring, which is ideal for detecting and calibrating various powers screw drivers and wrench with torque control, for the relative torsion torque testing and the torsion feature parts testing. Widely used in electric, light industry, manufacture, scientific research and so on.

SPECIFICATION* Peak hold function

Catch and hold the peak value in the test.

* RS-232C output/printer inside

RS-232C output, connect with printer, which can print 10 value data and the Max value, Min value, Average value, eligible value and incompetent value.

MTC Series Torque Meter



Technical Specifications

Rated Output	2 mv/V
Safe Over Load	150% of RO
Zero Balance	$\pm 0.02\%$ of RO
Excitation	10 C DC maximum
Non Linearity	$\pm 0.02\%$ of RO
Non Repeatability	$\pm 0.02\%$ of RO
Hysteresis	$\pm 0.02\%$ of RO
Temperature Shift Zero	$\pm 0.01\%$ of RO
Temperature Shift Span	$\pm 0.01\%$ of RO
Compensated Temperature	25°C to 50°C
Operating Temperature	0°C to 50°C
Coupling/Adapters	1/4" Sq. Drive/Philips Screw/ Screw

Socket Wrench Torque Sensor

MN-RTS5

These Strain Gauge based Reaction Torque sensors are designed for Static & limited rotational torque measurement. It have full bridge Wheatstone bridge circuit of high quality strain gauges and Electroless nickel coating for long life protection.

The versions with male-female square shaft mount directly on the drives of the tools .

Typical applications include control or sample checking of tightening-opening of Bolts/Nuts/Fastners by hand driven or power driven .

It have both wired &
Digitel telemetry Wireless Models
with range of > 100 mtr





- Adaptable for portable usage
- No special adapter tools required
- Precision repeatable torque measurements
- Strain gage full bridge system
- Measurement of torque in either direction of rotation
- Robust and reliable design
- Small and handy
- Option of Wired or Wireless interface with Digital Indicator
- Wide range of 1 N.m to 100 N.m
- Wireless model option with line of sight range of >100 meters

Technical Specifications

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Non Repeatability	$\pm 0.02\%$ of RO
Hysteresis	$\pm 0.02\%$ of RO
Temperature Shift Zero	$\pm 0.01\%$ of RO
Temperature Shift Span	$\pm 0.01\%$ of RO
Compensated Temperature	25°C to 50°C
Operating Temperature	0°C to 50°C
Coupling/Adapters	1/4" to 4" Sq. Drive (Male-Female)

