
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 been involved for over 20 year in the business of designing, manufacturing and export of Electronic Industrial products, Testing equipments , sensors and related indicating and controlling devices and allied products related to Data logging & Acquisition.

Monad is specialized in providing high end and high accuracy customized Force Transducers, Multi-Axial Force Transducers and Torque Sensors. Monad is an expert in providing import substitutes of high end Load Cells, Safe Load Indicators, etc

We are supplying to leading industries and government institutions and are also exporting our products to USA, Germany, Belgium, Turkey, Australia, U.A.E., Singapore, Spain, Brazil, New Zealand, Philippines, UK, Croatia and to the African countries.

Bottle Cap Torque Sensor

During the life cycle of a screw closure, there are a number of factors where the performance of the closure is influenced by a particular torque value:

Filling / Sealing
Storage & distribution
first opening
Use, reseal and re-use

In addition to torque generally associated with screw closures (eg application and removal torque), closure development areas such as tamper-evident seals, or child resistance have increased the range of torque which need to be measured.

TECHNICAL STANDARDS:

There are a number of international standards which specify equipment and test procedure for evaluating closure torques and the ability of closures to retain torque e.g. ASTM D3192, ASTM D3474, ASTM D2063, ASTM D3198.

MONAD has unrivaled experience in providing affordable solutions for torque measurement applications. The range of products extend from simple manually operated instruments, through to sophisticated computer-controlled systems.

Bottle Cap Torque Sensor

As a low cost digital torque tester, it covers the testing range from 0 to $\pm 10\text{Nm}$. It has been designed for ease of use with a splash-proof, wipe-clean housing and fitted with a universal accessory to suit containers ranging from 10 to 160mm diameter. The universal accessory can be easily removed to allow filling of dedicated sample holders. Data may be output in Rs232, 4-20mA AND Analogue formats, for connection to PC or printer so that results can be easily stored.

BENEFITS INCLUDE:

- High accuracy
- Low cost
- Low friction runners
- Peak hold facility
- Mains / Battery-powered with user sellable auto off feature
- Data output for easy recording of results
- All common units of measurement
- Direct unit conversion

Bottle Cap Torque Sensor



Bottle Cap Torque Sensor

TECHNICAL SPECIFICATIONS:

Measurement range	0-10 Nm
clockwise & anticlockwise	0-100 kgfcm
Display resolution	0.1% to 0.01%
Container diameter	10-160 mm
Units of measurements	N.m, mN.m, N.cm, lbf.ft, lbf.in, kgf.cm, gf.cm
Sampling rate	2khz
Peak hold range	100Hz
System accuracy	± 0.1%
Overload	Typically 150% of fsd

