

TORQUE MEASUREMENT

SIMPLY MEASURE THE TORQUE UNDER INDUSTRIAL SCREWING MACHINES

FUNCTION

Measuring the unscrewing torque of packaged sample caps can reach limitations. Checking the tightening torque, verified directly under the screwdriver, is useful in the following cases:

- Know the real value of the static torque applied to the products to be screwed.
- Check the repeatability of the screwing machines
- Provide additional information to diagnose the various problems of your packaged products (sealing, screwing, etc.).
- Check that the unscrewing torque problems are not related to the machine.
- Collect preventive maintenance and process control data



Calibration
certificate
ISO6789

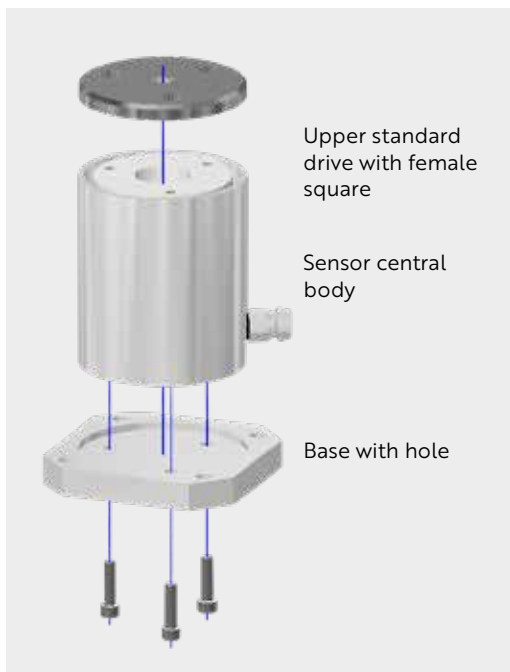
TECHNICAL SPECIFICATIONS

Type of sensor	Self-stabilizing reinforced static torque sensors
Capacity (N.m)	0,5/ 1/3/5/10/25
Units	N.m / lbf.inch/ N.cm / Kgf.cm
Dimensions	see outline below
Weight (sensor kit)	700 g
Sampling rate	5000 Hz
Accuracy	0,1 % FS
Resolution	0,001 N.m
Autodiagnostic	Sensor offset indication
Safe overload	150 %
Standard drive	Female square 1/4"
Calibration	Programmable calibration overrun reminder
Power supply	220 V / 50-60 Hz

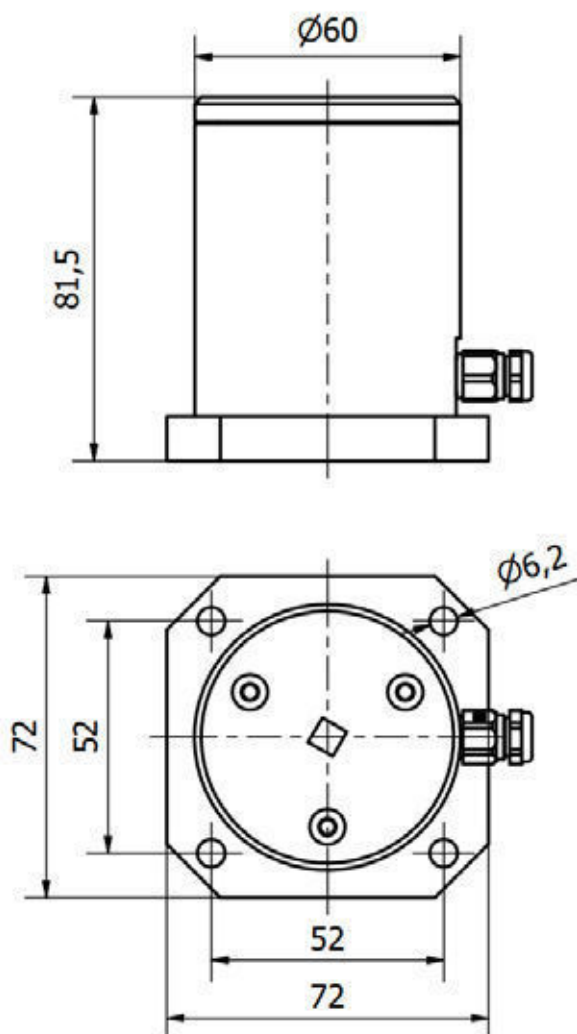
SYSTEM DESCRIPTION:

- Measurement Console XA-m
- Embedded sensor with a capacity from 0.5 to 25 N.m
- Upper standard drive with female
- Base with hole drilling
- Central body of the sensor casing





DIMENSIONS FOR FEMALE SQUARE 1/4"



BENEFITS

● Possible adaptations for the top drive of the sewing machine:

- Other dimension of squares,
- End caps
- Dummy caps

● Possible adaptations for the plinth :

- Customized base for adaptation of buckets or specific dimensions,
- Dummy caps





PRODUCT CONTENT:

- XA-m measurement console
- Sensor Kit
- User manual
- Calibration certificate linked to french COFRAC
- Electric charger
- Transport case



OPTIONS

Printer
Extended wires
Additional sensors
Dummy caps
Drive adapters

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for your packaging quality controls



Calibration and annual maintenance

ACRN is equipped with a metrology laboratory.

Setting up tests, choice of materials, state of the art, work on repeatability

we can advise you according to your needs (technology, budget, ergonomics).

Leak testing and dynamometric testing

Our skills and equipments for leak testing and dynamometric testing for packaging

Major manufacturers have trusted us for many years

