



Torque analyzers



Torque analyzers for torque wrenches

OUR CENTORMETER line allows you to calibrate and check all of your measuring instruments: torque wrenches, torque screwdriver, screw gun, compression and tension system, force gauges, etc. These tools are essential in ensuring the quality of your measurements throughout the lifetime of your instruments.

The new version of the CentorMeter equipment verifies the regulating torques of screw guns. This includes electric, pneumatic and hydraulic screw guns whose rotation speed can be regulated up to 3,000 RPM. The CentorMeter traces the curve, enabling immediate visualization of the increase in the torque. The range of sensors allows for precise measurements from 0–6 Nm up to 0–1,400 Nm.

Each base is equipped with a main sensor and can support additional sensors, which will be recognized without the user having to do a thing.



System includes:

- A Centormeter with one torque sensor
- Power plug
- A support base with fixing holes
- One square drive on the torque sensor
- Certificate of calibration traceable to COFRAC

Models and capacities

MODELS	CAPACITY	ACCURACY	RESOLUTION	SQUARE
CENTORMETER H 3	3 Nm	0.015 Nm	1,5 mNm	3/8" female
CENTORMETER H 6	6 Nm	0.03 Nm	1,5 mNm	3/8" female
CENTORMETER W 15	15 Nm	0.075 Nm	1,5 mNm	3/8" female
CENTORMETER W 60	60 Nm	0.3 Nm	6 mNm	3/8" female
CENTORMETER W 150	150 Nm	0.75 Nm	15 mNm	1/2" female
CENTORMETER W 300	300 Nm	1.5 Nm	30 mNm	1/2" female
CENTORMETER W 650	650 Nm	3.25 Nm	65 mNm	1/2" female
CENTORMETER W 1400	1400 Nm	7 Nm	1,4 Nm	1/2" female

Specifications

FEATURES	CENTORMETER
Accuracy	0,5 % FS
Resolution	1/10 000 PFS
Display current value and peak	√
Units	N.m, kg.cm, lb.in, mN.m, lb.ft
Sampling rate	1 000 Hertz
Tare	√
Auto-off	√
Average and standard deviation	√
Low battery indicator	√
RS232 output	√
Fast charge	√
Backlight display	√
Rechargeable battery	√
Operating time	8h
Metallic casing	√
Power supply	110V / 220V

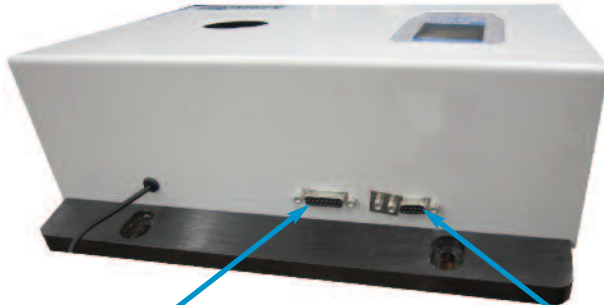


Torque analyzers

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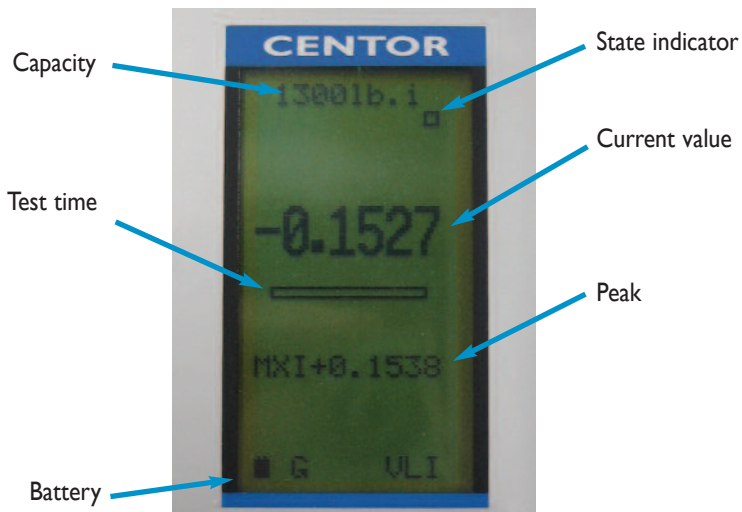


Display and outputs



RS232, TTL, Analogic
and Digimatic output

SPIP connector for
additionnal sensor



Options - Software

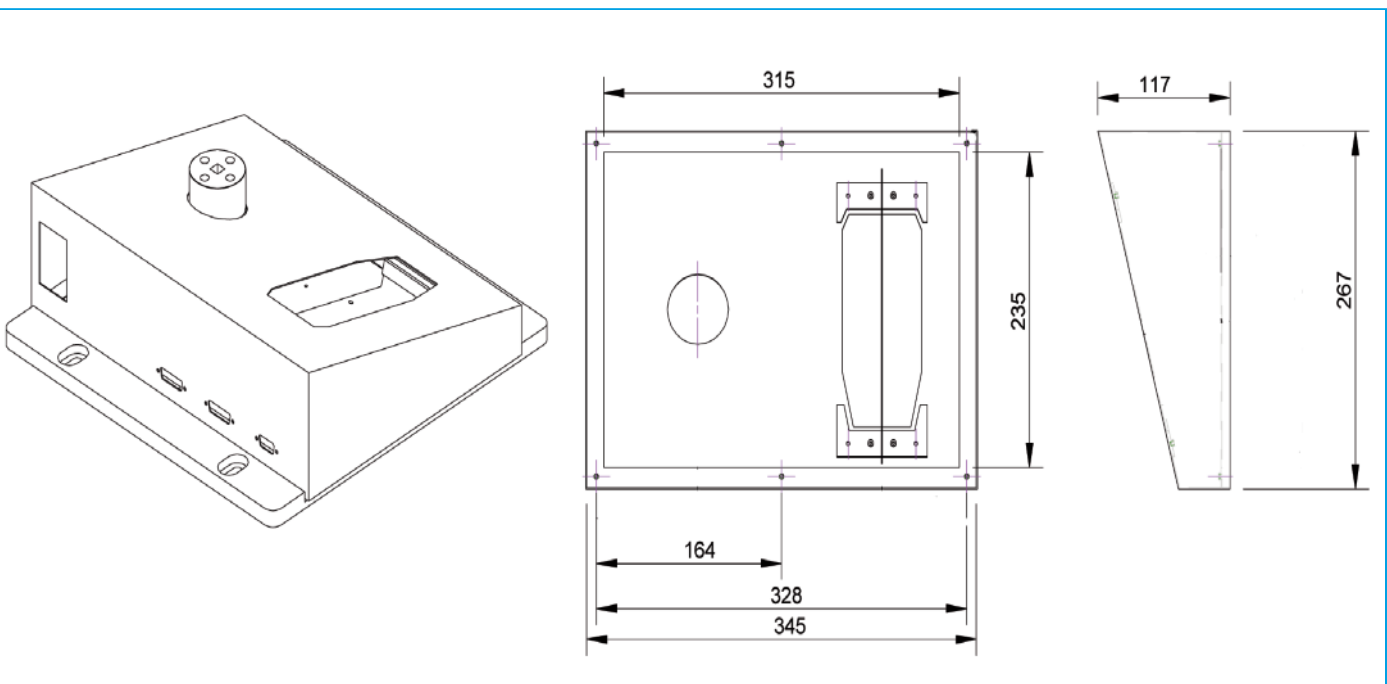


RSIC software compatible: Download
your data to Microsoft Excel



Datastick compatible : Save all your data
directly on a SD memory card and read
your results on a computer.

Dimensions





Torque analyzers



Additional torque sensors

All our additional torque sensors can be used with the same display screen in order to measure different capacities with great precision. Each sensor is provided with a support stand, a SPIP connector to connect to the instrument and its certificate of calibration traceable to COFRAC. Mounted with a SPIP connector, the Centor meter can read and recognize automatically the sensor and load all the parameters.

Available with horizontal or vertical axis.

Models and capacities - Vertical version

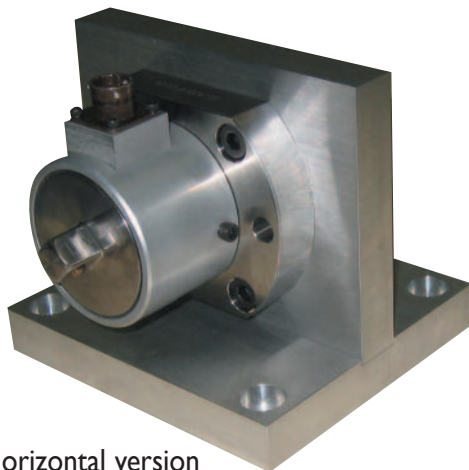
MODELS	CAPACITY	ACCURACY	RESOLUTION	SQUARE
SPIP CMV/TH 3	3 Nm	0.015 Nm	1,5 mNm	3/8" female
SPIP CMV/TH 6	6 Nm	0.03 Nm	1,5 mNm	3/8" female
SPIP CMV/TH 15	15 Nm	0.075 Nm	1,5 mNm	3/8" female
SPIP CMV/TH 60	60 Nm	0.3 Nm	6 mNm	3/8" female
SPIP CMV/TH 150	150 Nm	0.75 Nm	15 mNm	1/2" female
SPIP CMV/TH 300	300 Nm	1.5 Nm	30 mNm	1/2" female
SPIP CMV/TH 650	650 Nm	3.25 Nm	65 mNm	1/2" female
SPIP CMV/TH 1400	1400 Nm	7 Nm	1,4 Nm	1/2" female



Vertical version

Models and capacities - Horizontal version

MODELS	CAPACITY	ACCURACY	RESOLUTION	CARRÉ
SPIP CMH/TH 3	3 Nm	0.015 Nm	1,5 mNm	3/8" female
SPIP CMH/TH 6	6 Nm	0.03 Nm	1,5 mNm	3/8" female
SPIP CMH/TH 15	15 Nm	0.075 Nm	1,5 mNm	3/8" female
SPIP CMH/TH 60	60 Nm	0.3 Nm	6 mNm	3/8" female
SPIP CMH/TH 150	150 Nm	0.75 Nm	15 mNm	1/2" female
SPIP CMH/TH 300	300 Nm	1.5 Nm	30 mNm	1/2" female
SPIP CMH/TH 650	650 Nm	3.25 Nm	65 mNm	1/2" female
SPIP CMH/TH 1400	1400 Nm	7 Nm	1,4 Nm	1/2" female



Horizontal version

Dynamic torque sensors

The dynamic torque sensors are used to check torque on assembled parts. It is palced between the screwdriver and the screw and measure directly the torque applied on the screw.

Models and capacities - Dynamic torque sensor

MODELS	CAPACITY	ACCURACY	RESOLUTION	SQUARE
SPIP DT 6	6 Nm	0.03 Nm	0.6 mNm	1/4"
SPIP DT 12	12 Nm	0.06 Nm	1,2 mNm	1/4"
SPIP DT 24	24 Nm	0.1 Nm	2.4 mNm	3/8"
SPIP DT 60	60 Nm	0.3 Nm	6 mNm	3/8"
SPIP DT 150	150 Nm	0.75 Nm	15 mNm	1/2"
SPIP DT 600	600 Nm	1.5 Nm	60 mNm	3/4"



Dynamic torque sensor

Multiple sensors connector

Our SWITCHBOX allows you to keep connected all your torque sensor on the Centormeter. You do not have to plug/unplug your sensor each time you want to change your measurement ranges.

Our Switchbox can be used with 4 additional torque sensors in the same time. You can choose with a knob the sensor you want to use and each time the Centormeter will start and read the parameters of the new torque sensor. This box is compatible with all our sensors using the SPIP technology.



Switchbox

Torque analyzers



Run down adapters

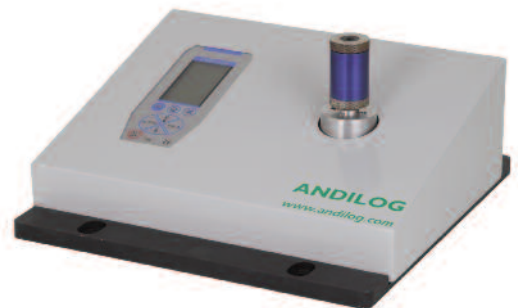
The run down adapter (RDA) is designed to provide consistent and reliable torque readings for use with power driven torque control tools. The RDA's reduce the impact and irregular peaks that cause poor repeatability. Each RDA has an effective torque range and will supply repeatable torque data within that range if used correctly. The run down adapter is mounted in-line between the tool drive and transducer.

These run down adapters are designed to provide consistent and reliable torque readings for use with power driven torque control tools.



Models and capacities

MODELS	RANGE	SQUARE	HEIGHT
RDA 10i	0.1 - 1 Nm	1/4"Female	63 mm
RDA 25i	0.3 - 3 Nm	1/4"Female	63 mm
RDA 50i	0.6 - 6 Nm	1/4"Female	63 mm
RDA 100i	1 - 12 Nm	1/4"Female	63 mm
RDA 250i	2.8 - 28 Nm	1/4"Female	60 mm
RDA 50F	6 - 60 Nm	1/2"Female	83 mm
RDA 100F	65 - 650 Nm	3/4"Female	111 mm
RDA 1000F	140 - 1400 Nm	1"Female	182 mm

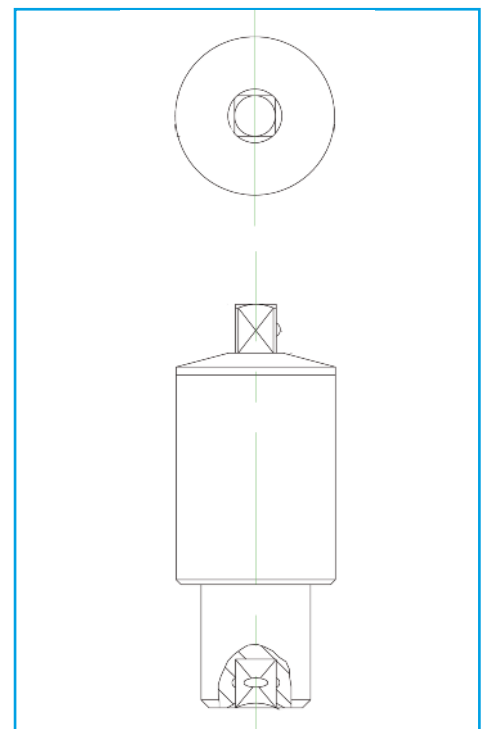
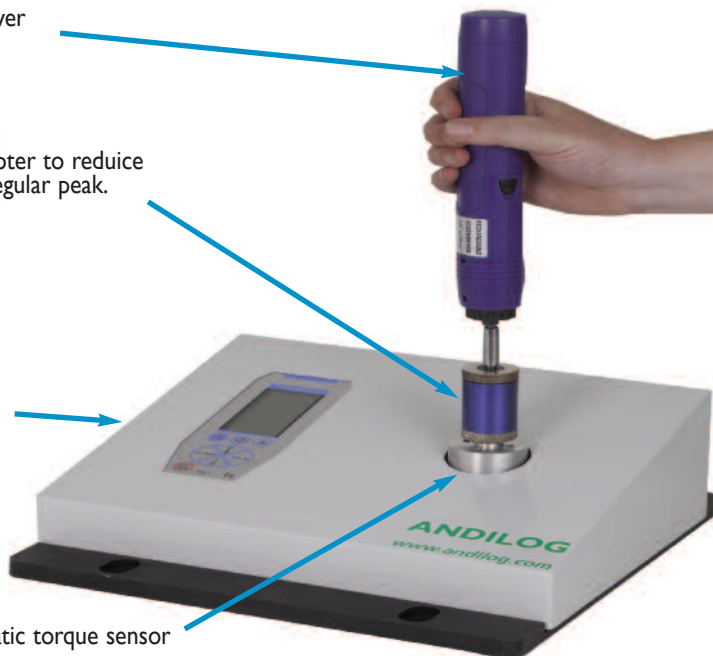


Electric screwdriver

Run down adapter to reduce impact and irregular peak.

CENTORMETER

Static torque sensor



ISO 9001:2008
Certified

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