



Torque analyzers

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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.

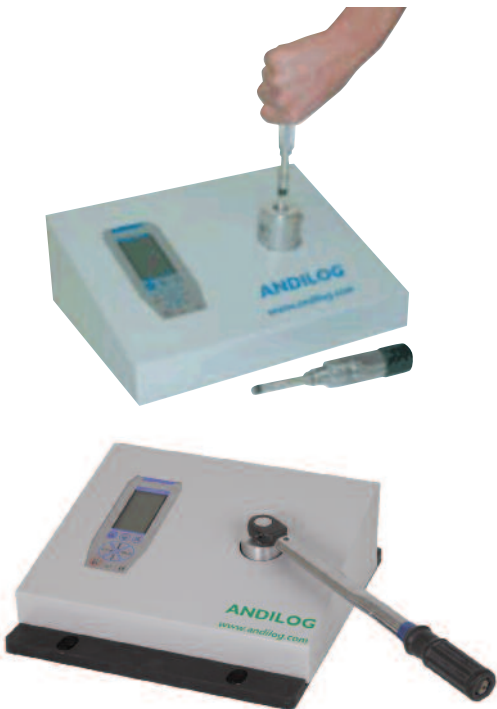
The new version of the CentorMeter equipment verifies the regulating torques of screw guns. This includes electric, pneumatic and hydraulic screw guns whose rotation speed can be regulated up to 3,000 RPM. The CentorMeter traces the curve, enabling immediate visualization of the increase in the torque. 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 NIST



Models and capacities

MODELS	CAPACITY	ACCURACY	RESOLUTION	SQUARE
CENTORMETER H 3	25 lbin	0.125 lbin	0.0025 lbin	3/8" female
CENTORMETER H 6	50 inlb	0.25 lbin	0.005 lbin	3/8" female
CENTORMETER W 15	100 inlb	0.5 lbin	0.01 lbin	3/8" female
CENTORMETER W 60	500 inlb	2.5 lbin	0.05 lbin	3/8" female
CENTORMETER W 150	1,300 inlb	6.5 lbin	0.13 lbin	1/2" female
CENTORMETER W 300	3,000 inlb	15 lbin	0.3 lbin	1/2" female
CENTORMETER W 650	6,000 inlb	30 lbin	0.6 lbin	3/4" male
CENTORMETER W 1400	12,000 inlb	60 lbin	1.2 lbin	1" male

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

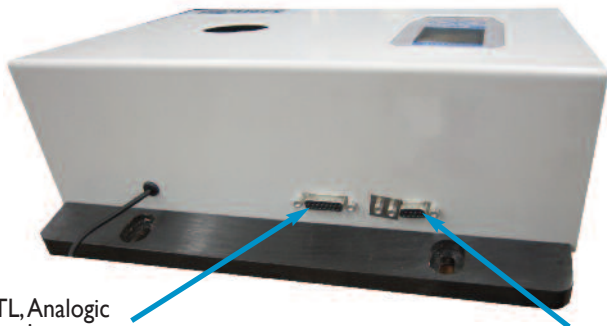
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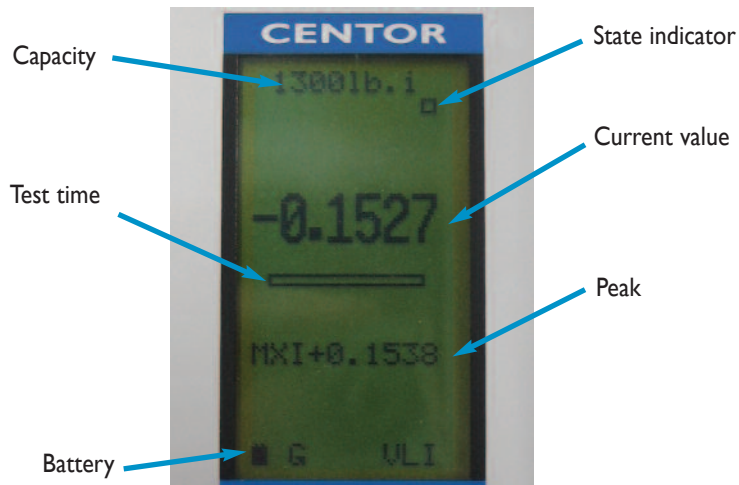
Display and outputs

Options - Software



RS232, TTL, Analogic
and Digimatic output

SPIP connector for
additional sensor



Capacity

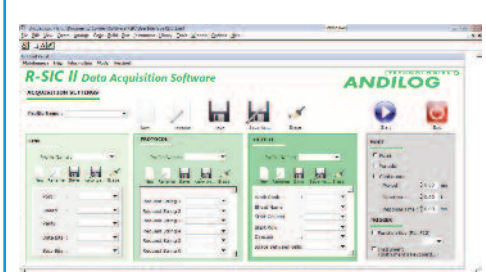
State indicator

Current value

Test time

Peak

Battery

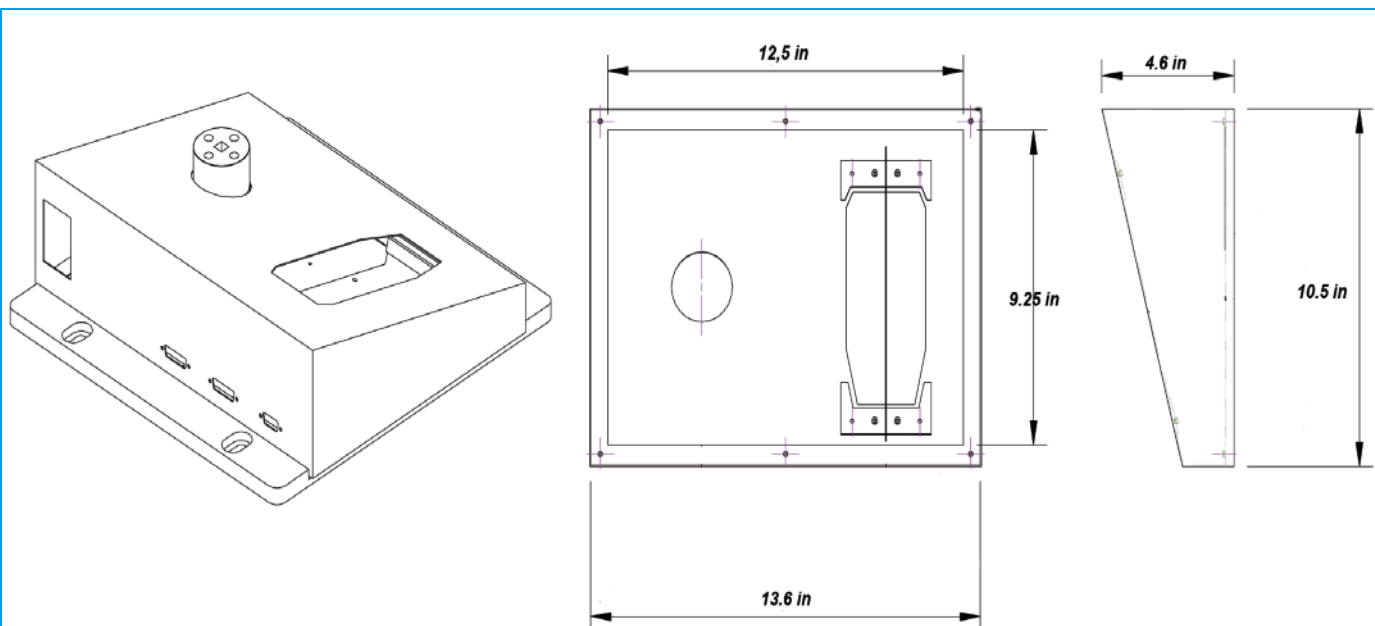


RSIC software compatible: Download your
data to Microsoft Excel



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

Dimensions





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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 NIST. 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

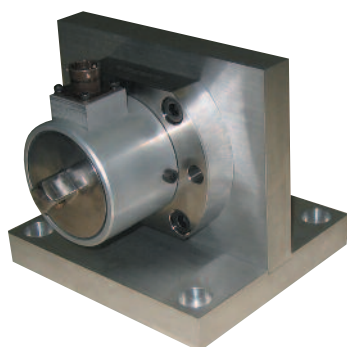
MODELS	CAPACITY	ACCURACY	RESOLUTION	SQUARE
SPIP CMV/TH 3	25 lbin	0.125 lbin	0.0025 lbin	3/8" female
SPIP CMV/TH 6	50 inlb	0.25 lbin	0.005 lbin	3/8" female
SPIP CMV/TH 15	100 inlb	0.5 lbin	0.01 lbin	3/8" female
SPIP CMV/TH 60	500 inlb	2.5 lbin	0.05 lbin	3/8" female
SPIP CMV/TH 150	1,300 inlb	6.5 lbin	0.13 lbin	1/2" female
SPIP CMV/TH 300	3,000 inlb	15 lbin	0.3 lbin	1/2" female
SPIP CMV/TH 650	6,000 inlb	30 lbin	0.6 lbin	3/4" male
SPIP CMV/TH 1400	12,000 inlb	60 lbin	1.2 lbin	1" male



Vertical version

Models and capacities - Horizontal version

MODELS	CAPACITY	ACCURACY	RESOLUTION	CARRÉ
SPIP CMH/TH 3	25 lbin	0.125 lbin	0.0025 lbin	3/8" female
SPIP CMH/TH 6	50 inlb	0.25 lbin	0.005 lbin	3/8" female
SPIP CMH/TH 15	100 inlb	0.5 lbin	0.01 lbin	3/8" female
SPIP CMH/TH 60	500 inlb	2.5 lbin	0.05 lbin	3/8" female
SPIP CMH/TH 150	1,300 inlb	6.5 lbin	0.13 lbin	1/2" female
SPIP CMH/TH 300	3,000 inlb	15 lbin	0.3 lbin	1/2" female
SPIP CMH/TH 650	6,000 inlb	30 lbin	0.6 lbin	3/4" male
SPIP CMH/TH 1400	12,000 inlb	60 lbin	1.2 lbin	1" male



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	50 lbin	0.25 lbin	0.005 lbin	1/4"
SPIP DT 12	100 lbin	0.5 lbin	0.01 lbin	1/4"
SPIP DT 24	200 lbin	1 lbin	0.02 lbin	3/8"
SPIP DT 60	500 lbin	2.5 lbin	0.05 lbin	3/8"
SPIP DT 150	1,000 lbin	5 lbin	0.1 lbin	1/2"
SPIP DT 600	5,000 lbin	25 lbin	0.5 lbin	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.



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Run down adapters

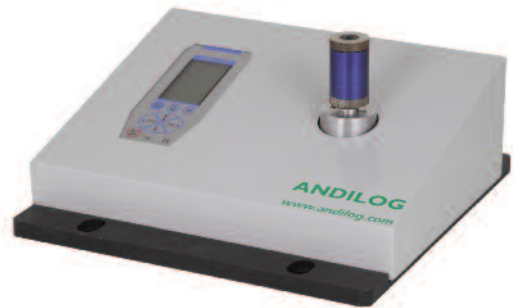
The run down adapter (RDA) is designed to provide consistent and reliable torque readings for use with power driven torque control tools. The RDA's reduce the impact and irregular peaks that cause poor repeatability. Each RDA has an effective torque range and will supply repeatable torque data within 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	1 - 10 lbf.in	1/4"Female	2.5 in
RDA 25i	2 - 25 lbf.in	1/4"Female	2.5 in
RDA 50i	5 - 50 lbf.in	1/4"Female	2.5 in
RDA 100i	10 - 100 lbf.in	1/4"Female	2.5 in
RDA 250i	25 - 250 lbf.in	1/4"Female	2.5 in
RDA 50F	5 - 50 lbf.ft	3/8"Female	3.25 in
RDA 100F	10 - 100 lbf.ft	1/2"Female	3.25 in
RDA 250F	25 - 250 lbf.ft	1/2"Female	3.25 in
RDA 500F	50 - 500 lbf.ft	3/4"Female	4.37 in
RDA 1000F	100 - 1000 lbf.ft	1"Female	7 in

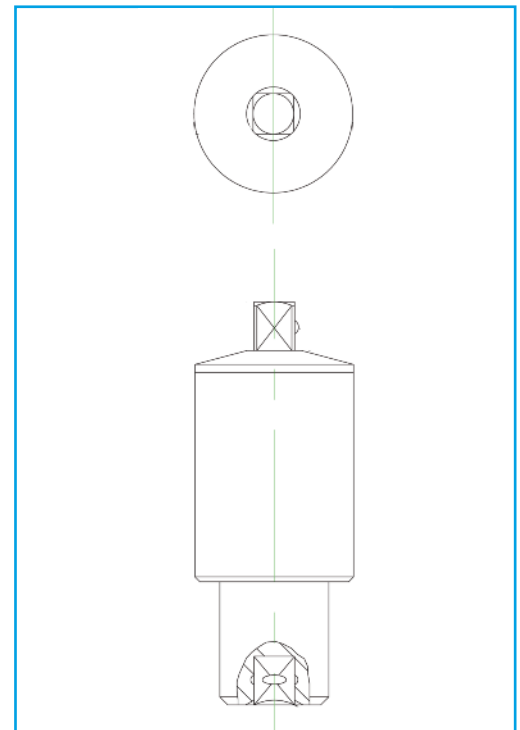
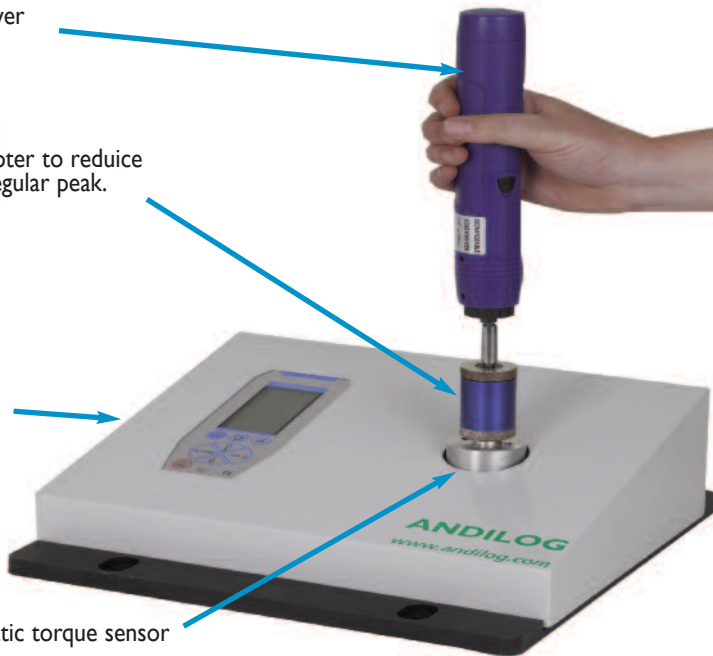


Electric screwdriver

Run down adapter to reduce impact and irregular peak.

CENTROMETER

Static torque sensor



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ISO 9001:2008
Certified

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