Rotary Torque Gauge

Measure and monitor your drive torque applications

The rotary torque gauge CENTOR EASY RD consists of a rotary torque sensor. They have the ability to rotate and to measure torque applied to rotating drives applications. Therefore they are ideals for systems designed for continuous rotation, such as measuring the starting torque on an electric screwdriver or measuring the torque on motor shafts. We offer a wide torque measurement range from 6Nm to 150Nm, with a rotational speed up to 5000 turn per minute. The Rotary Torque gauge Centor Easy RD is the perfect solution for all your low and medium drive applications.

The Centor Easy gauges have a very large graphic display and show a maximum amount of information for more efficient measuring: they show the current reading and the peak value at the same time, and a bar graph to show the operator whether they are close to their maximum capacity. If necessary, the backlighting can be used to further enhance reading comfort. Its advanced measurement chain enables it to use a sampling rate of 1,000 Hertz with a resolution of 1/10,000 FS and a total error of less than 0.5% FS.

A statistic feature is available on the Centor Easy models: the average and standard deviation of the current batch are calculated and displayed after each measurement. All the values of the production batch are kept in the memory and can be sent to a computer by RS232. The operator is spared any data entry, knows his results in real time and saves everything at the end of the tests.

Many other functions complete the possibilities of the gauge:

- the Set point functions can be used to carry out "OK, NOK" tests: a symbol appears on the display.
- The fully programmable RS232 output sends the data to a PC.

Designed for use in an industrial environment, it is an ideal tool for tests during production.

Statistics

Statistics feature with automatic calculation of the average and standard deviation on 100 values in the memory.

MES / ECH	3
OPER	01
Unite	N
STATS	MXI
Nbech	002
Moy	12.33
001	12.334
001	12.332
001	12.331
002	12.335
002	12.334
002	12.330

Models and capacities

MODELS	CAPACITY	ACCURACY	RESOLUTION
CNR ETRD 6	6 Nm	0.5%PE	0,6 mNm
CNR ETRD 12	12 Nm	0.5%PE	1.2 mNm
CNR ETRD 24	24 Nm	0.5%PE	3.6 mNm
CNR ETRD 60	60 Nm	0.5%PE	6 mNm
CNR ETRD 150	150 Nm	0.5%PE	12 mNm

Specifications

FEATURES	CENTOR EASY RD	FEATURES	CENTOR EASY RD
Accuracy	0,5 % FS	Internal memory	100 results
Resolution	1/10 000 FS	Maximum speed rotation	5000 rd /min
Data acquisition rate	1 000 Hz	Reversible display	180 °
Overload protection	200% FS	Operates on rechargeable batteries	√
Units	Nm, kgcm, mNm, lbin	8 hours of operation without recharging	√
Auto-off	Adjustable from 5 to 15 min	Fast charge	√
Bargraph	√	Metal casing and protective overmould	√
Clockwise and counterclockwise peak	√	Threaded fixing holes on the back	√
Simultaneous display of peak and current reading	√	RS232 output	Current value, min or max
Use of a Foot pedal	√	Data rate	50 values per second
Tare function	√	Digimatic output	√
Programable set point	√	Analogic output	+/- 1V
Statistics	√	Backlit display	√

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Rotary Torque Gauge

Operating mode

Options - software

Compatible with CALIGRPH software: curve acquisition and reporting software for computer. Connects your Centor to CALIGRAPH to achieve in real time the acquisition of your measurements and allow recording of your values on your computer.

Compatible with RSIC software: saves your data on an Excel sheet directly through RS232. Allow real time communication as well as unloading the calculation values recorded in the Centor.

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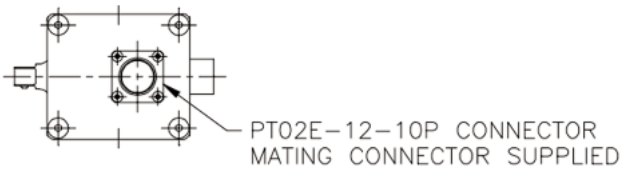
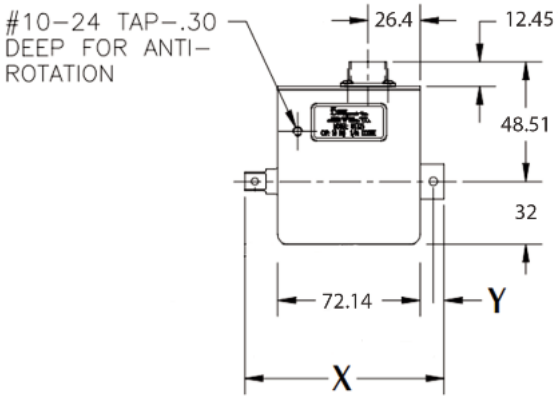
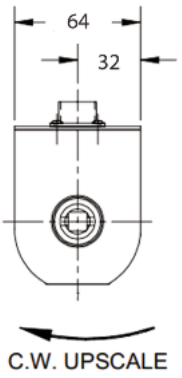
Rotary Torque Gauge

Dimensions



MODELS	SQUARE	X	Y
CNR ETRD 6	1/4	95.25 mm	9.65 mm
CNR ETRD 12	1/4	95.25 mm	9.65 mm
CNR ETRD 24	3/8	100.84 mm	12.19 mm
CNR ETRD 60	3/8	100.84 mm	12.19 mm
CNR ETRD 150	1/2	107.95 mm	14.73 mm

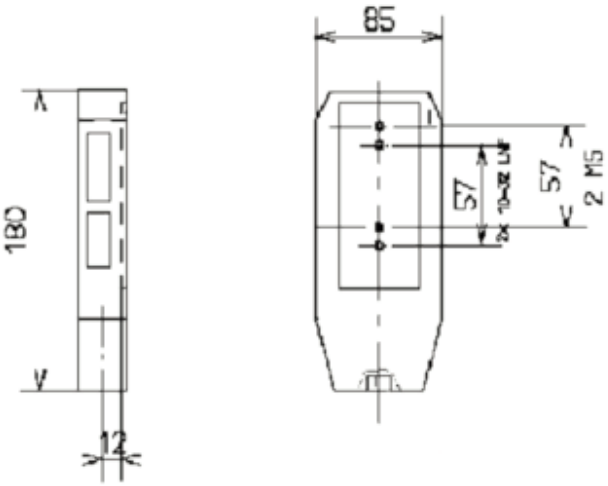




Options - sensors

In option, we have a large variety of sensors in order to comply with your dimensions and applications. Feel free to contact us.

Housing dimensions



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