



# CENTOR Easy R Force Gauge with External Sensor

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## Force Gauge for your daily measurements up to 50kN

The Force Gauge Centor Easy R is equipped with an external force sensor linked directly to the display. Besides having all the features of the Centor Easy, it also provides additional possibilities: with its external sensor, it can suit a larger force ranges. Also you can integrate its external sensor easily on your process or a tensile compression test bench. The force sensor is not removable or interchangeable.

The Centor Easy R force gauges are designed to meet the production needs of its users. This group offers several features which are indispensable today for Quality Control, for example: ease of reading with its large backlit graphical display, RS232 output, memory of the last 100 values and ability to set thresholds with visual and sound alarms.

Its highly efficient 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 0.1% FS. A statistics feature is available on the Centor EASY R 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. The entirely configurable RS232 output sends the data to a PC. A digimatic output can be used with a printer for statistics.

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



Centor Easy R



Statistics feature with automatic calculation of the average and standard deviation on the 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	RESOLUTIONS
CNR EAR 20	20 N	0.01 N	0.001 N
CNR EAR 50	50 N	0.025 N	0.002 N
CNR EAR 100	100 N	0.05 N	0.005 N
CNR EAR 200	200 N	0.1 N	0.01 N
CNR EAR 500	500 N	0.25 N	0.025 N
CNR EAR 1000	1 000 N	0.5 N	0.05 N
CNR EAR 2000	2 000 N	1 N	0.1 N
CNR EAR 5000	5 000 N	5 N	0.5 N
CNR EAR 10000	10 000 N	10 N	1 N
CNR EAR 20000	20 000 N	20 N	2 N
CNR EAR 50000	50 000 N	50 N	5 N

## Specifications

FEATURES	CENTOR EASY R	FONCTIONS	CENTOR EASY R
Accuracy	0,1 % FS	Memory	100 results
Resolution	1/10 000 FS	Reversible display	180°
Vitesse d'acquisition	1 000 Hz	Operates on rechargeable batteries	✓
Sensor protected from overloads	200% FS	Operation without recharging	✓
Units	N, Lb, Kg, g, Oz	Fast charge	✓
Auto-off	Adjustable from 5 to 15 minutes	Low battery indicator	✓
Bargraph	✓	Metal casing & Protective elastomer	✓
Peak in tension and compression	✓	Threaded fixing holes on the back	✓
Display peak and current reading	✓	RS232 output	Send current reading, peak or minimum
Can be used with a pedal	✓		
Tare	✓	Continuous transmissions	50 values per second
Force limit	✓	Digimatic output	✓
Average and standard deviation	✓	Analogic output	+/- 1V
		Backlit display	✓

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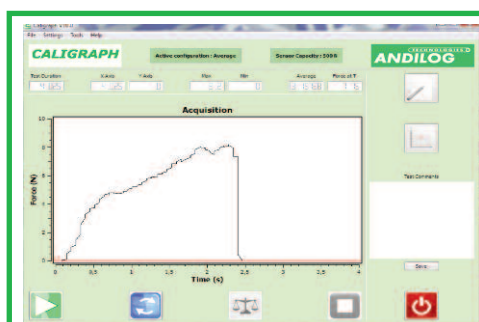


## Operating mode



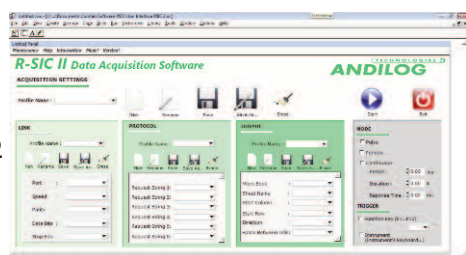
## Options - software

## Accessories



Caligraph software compatible: Data acquisition and analysis of curves with real time graphing through RS232 or USB.

RSIC software compatible: Download your results to Microsoft Excel using your RS232 comport.



Our force gauges are delivered in a carrying case with power supply, certificate of calibration and accessories (hook, plate diameter 19mm, rod)



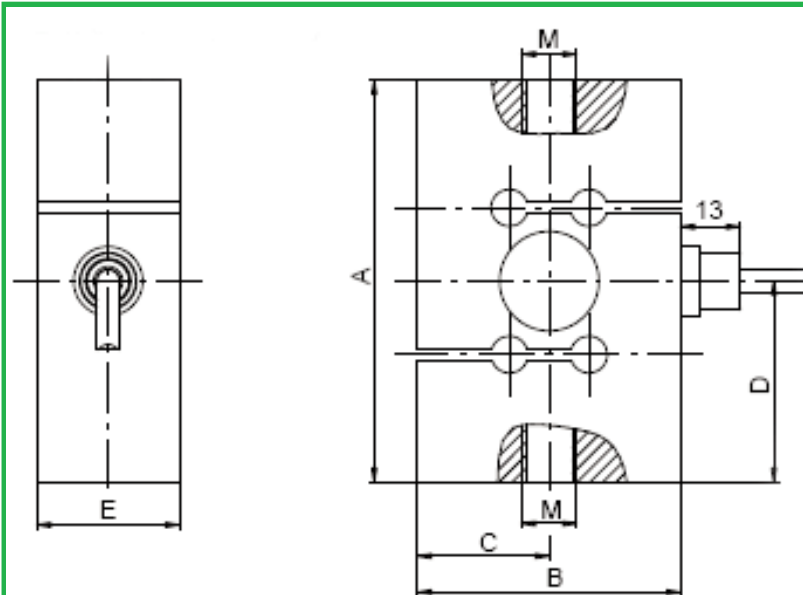
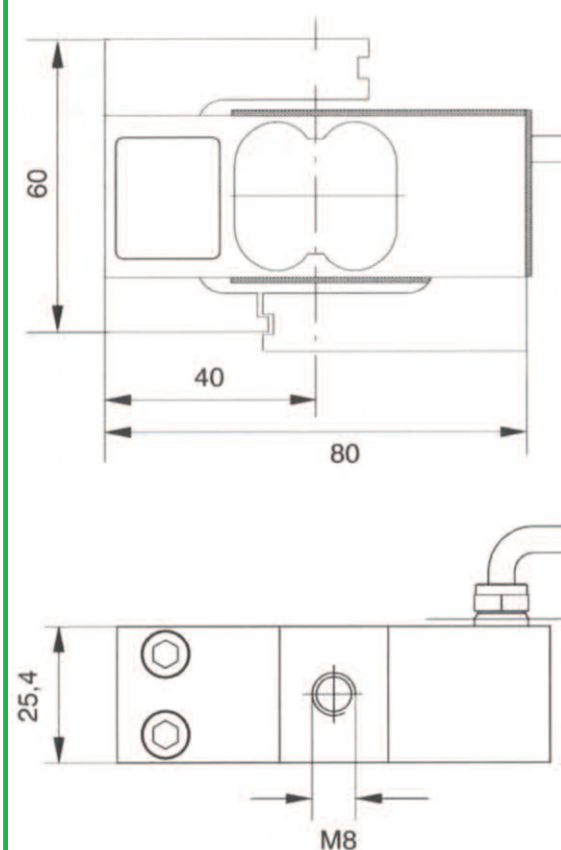


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## Sensor dimensions

Sensor to CNR EAR 100 up to CNR EAR



## Models and capacities

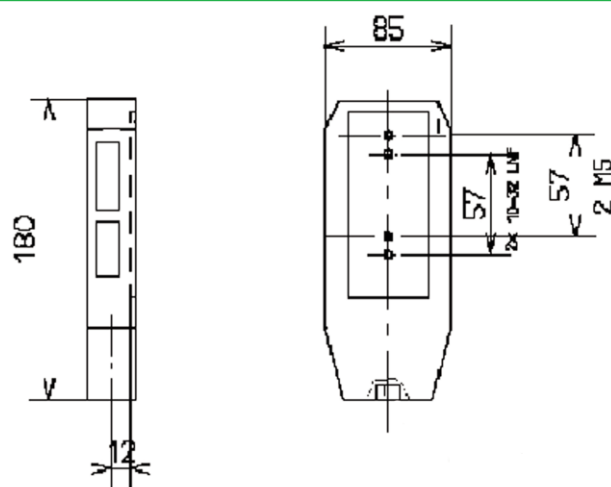
MODELS	A	B	C	D	E	M
CNR EAR 2000	87.3	57.2	28.6	43.7	24	M12
CNR EAR 5000	87.3	57.2	28.6	43.7	31	M12
CNR EAR 10000	87.3	57.2	28.6	43.7	31	M12
CNR EAR 20000	100	69.8	34.9	50	31	M24x2
CNR EAR 50000	100	76.2	38.1	50	36.5	M24x2

## Option - 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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ISO 9001:2008 certified

**ANDILOG Technologies**

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