CENTOR Star Touch
Force and torque display

Force and torque display Centor Star Touch

A unique display for all your sensors

The Centor Star Touch universal display is ideal if you want to have one display with many force and torque sensors.
Using the SPIP technology, the Centor Star Touch automatically recognizes the sensor plugged and integrates sensor parameters: force or torque, calibration, serial number. The sensors are calibrated and programmed separately from the display.
The display has an internal memory, a color screen with curve, automatic calculations (break, average, first peak...) plot of the force vs time, statistical calculations, sorting good / not good real time interval following the manufacturing tolerance, sending data and communications to a computer using the RS232, analog or USB outputs.

Designed for industrial environments, it provides high performance but also ease of use thanks to its large color touch screen. The icons guide the user through the configuration of the gauge and the menus are available in several languages.
For better integration into the manufacturing process and communication with other devices, the Centor Star Touch is equipped with fast TTL outputs and inputs for communication with an automat for example.
All the features, flexibility and ergonomics of the Centor Star Touch make it the ideal solution for easy and advanced force and torque testing in the industry or laboratory.

Option : Read two sensors in the same time

If you need to read two sensors in the same time, for example two force sensors or force and torque or torque and angle..., the Centor Dual Touch is the gauge for you. Using the same features as the Star version, the Dual version reads two sensors and can send synchronized values to a computer. It can work with force, torque, angle and linear displacement sensors.

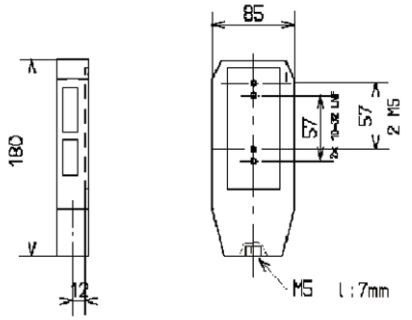
Unique features :

- Memory card reader Datastick compatible
- Horizontal or vertical display
- Touch screen color display
- USB output
- Friendly user menus
- Automatic recognition of sensors using the SPIP technology

Display 2 calculations :

- Peak in a time window, time necessary to reach peak
- Average over the duration of the test
- Force at time T
- Break, First peak
- Derivative
- Force on opening/closing contact

Dimensions



Options - Softwares

Caligraph software compatible: software for curve analysis with USB or RS232 download.
RSIC software compatible: Download your results to Microsoft Excel

Specifications

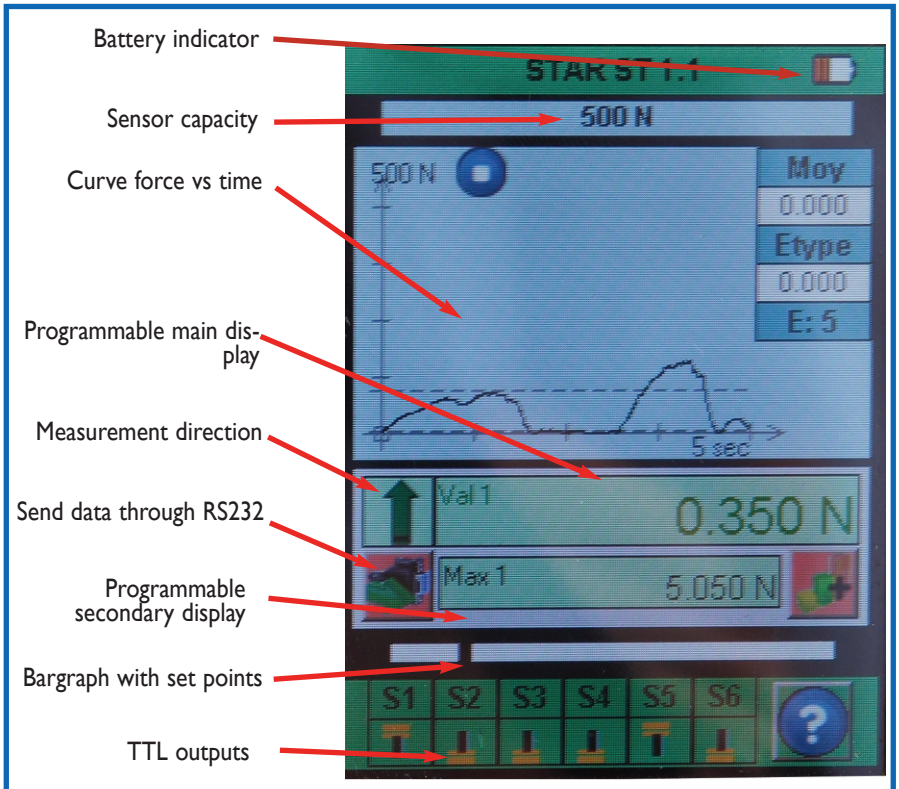
FEATURES	CENTOR STAR TOUCH
Part Number	CNR CT
Accuracy	Depends on the sensor
Resolution	1/10,000 FS
Sampling rate	1,000 Hz
Units	N, kN, daN, Lb, Kg, g, Oz, Nm, mNm, lbin
Auto-off	From 1 to 60 min
Bargraph	√
Peak function for tension and compression	√
Display peak and current value	√
Display curve force vs time	√
TTL output	6
TTL inputs	3
Tare function	√
Programmable set point functions	√
Average and standard deviation	√
Memory	1000 results, 1 curve
Reversible display	90° and 180°
Operates on rechargeable batteries	√
Fast charge	√
Low battery indicator	√
Metal casing with protective elastomer overmould	√
Threaded fixing holes on the back	√
USB output	Current value (1,000Hz)
RS232 output	Current value (100Hz), peak, calculation, curve
Analog output	+/- 1V
Bakelite display	√

ANDILOG Technologies - BP 62001 - 13845 Vitrolles Cedex 9 • France
info@andilog.com • Tel: +33 820 888 202 • Fax: +33 820 888 902

CENTOR Star Touch
Force and torque display

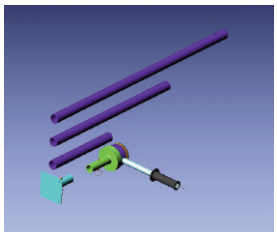
ANDILOG TECHNOLOGIES

Measuring display



Custom sensors

Torque wrench for tooth



Force sensor for automatic doors

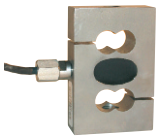
Force sensor for welding equipments

More force and torque sensors available on our website **www.andilog.com**

Standard force and torque sensors

S type force sensor for tension and compression

MODELS	ACCURACY	CAPACITY	RESOLUTIONS	H	W	T	THR
SPIP S9-5	0,1 % PE	5 KN	0,5 N	88 mm	58 mm	31 mm	M 12
SPIP S9-10	0,1 % PE	10 KN	1 N	88 mm	58 mm	31 mm	M 12
SPIP S9-20	0,1 % PE	20 KN	2 N	100 mm	70 mm	31 mm	M 24 x 2
SPIP S9-50	0,1 % PE	50 KN	5 N	100 mm	77 mm	37 mm	M 24 x 2



Male threaded load cell for tension and compression

MODELS	ACCURACY	CAPACITY	DIAMETER	HEIGHT	THICKNESS
SPIP L165-100	0,5 % PE	100 N	26 mm	8 mm x 2	13 mm
SPIP L165-250	0,5 % PE	250 N	26 mm	8 mm x 2	13 mm
SPIP L165-500	0,5 % PE	500 N	26 mm	8 mm x 2	13 mm

Torque sensors with chuck

MODELS	ACCURACY	CAPACITY	RESOLUTIONS	L	D	OUTPUT
SPIP TH 0,3	0,5 % PE	0,3 Nm	0,03 mNm	93 mm	44 mm	Chuck 2 to 8 mm
SPIP TH 1,5	0,5 % PE	1,5 Nm	0,1 mNm	93 mm	44 mm	Chuck 2 to 8 mm
SPIP TH 6	0,5 % PE	6 Nm	0,6 mNm	93 mm	44 mm	Chuck 2 to 8 mm
SPIP TH 12	0,5 % PE	12 Nm	1 mNm	93 mm	44 mm	Chuck 2 to 8 mm

Torque wrench sensor

MODELS	ACCURACY	CAPACITY	RESOLUTIONS	L	OUTPUT
SPIP TW 60	0,5 % PE	60 Nm	6 mNm	355 mm	Square 3/8" male
SPIP TW 150	0,5 % PE	150 Nm	0,02 Nm	508 mm	Square 1/2" male
SPIP TW 600	0,5 % PE	600 Nm	0,06 Nm	1092 mm	Square 3/4" male

Dynamic torque sensor

MODELS	ACCURACY	CAPACITY	RESOLUTION	L	W	H	I/O
SPIP DT 6	0,5 % PE	6 Nm	0,6 mNm	75 mm	28 mm	52 mm	1/4 "
SPIP DT 12	0,5 % PE	12 Nm	1 mNm	75 mm	28 mm	52 mm	1/4"
SPIP DT 60	0,5 % PE	60 Nm	5 mNm	75 mm	38 mm	58 mm	3/8"
SPIP DT 150	0,5 % PE²	150 Nm	0,02 mNm	79 mm	38 mm	58 mm	1/2"

ANDILOG Technologies - BP 62001 - 13845 Vitrolles Cedex 9 • France
info@andilog.com • Tel: +33 820 888 202 • Fax: +33 820 888 902