

## CENTOR Touch Star

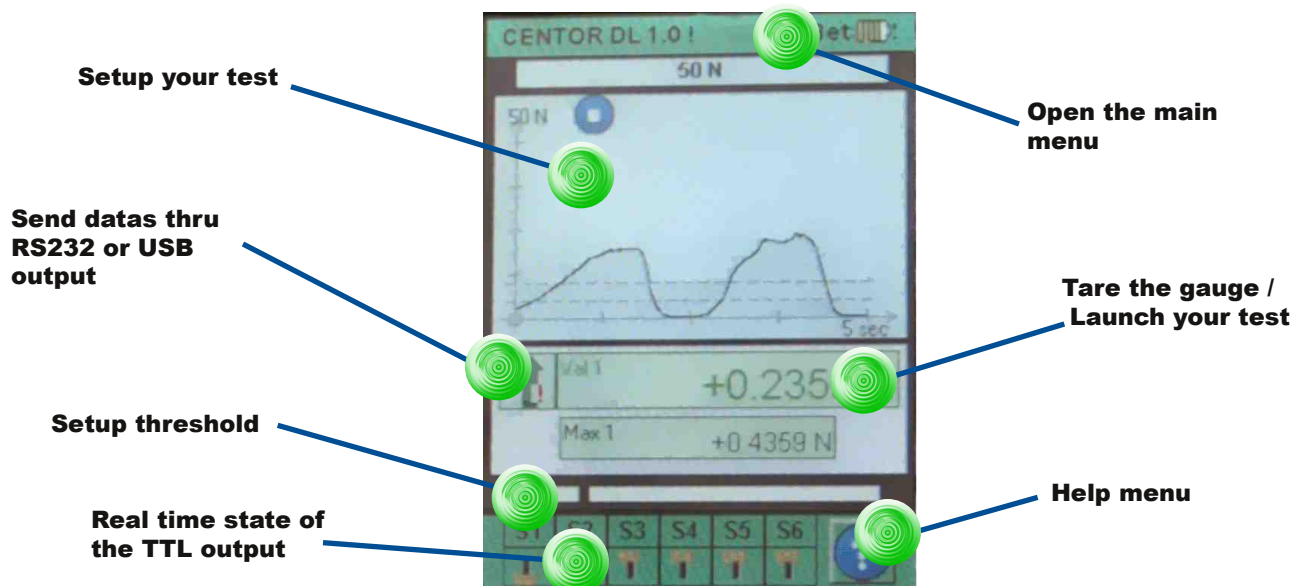
*The power of material testing equipment in your hand*

Functionality, accuracy, and precision formerly reserved for expensive and complex material testing equipment are now available with Com-Ten Force Gauges. The functionality of material testers previously reserved for research or development applications are now available to the production floor with the introduction of the Centor Touch Force Gauge.

High accuracy of 0.1%, sample measurement rates up to 5000 Hz, internal memory, measuring peaks and graphical display are just the beginning features. Centor Touch can provide break force, average, curve force versus time or deflection, statistical calculations and real time pass/fail analysis based on user supplied tolerances. Data logging and communication to your computer or network is available with RS232 or USB ports. Centor Touch is designed for manufacturing environments, providing performance and easy operations to use and understand with the addition of the new, colored touch screen technology. Icons guide the operator in the selection of the appropriate measurement technique and method for their application. Setup menus, prompts and results are available in multiple languages. When integrated in manufacturing processes, the Centor Touch can communicate with controllers through fast TTL outputs. With the combined features of functionality, flexibility and simplicity, the Centor Touch is the solution for more sophisticated and economically feasible testing solutions for the factory floor.



### Centor Touch main screen



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### Technical specifications

#### Sensor features

- Accuracy 0.1% of the full scale
- Resolution 1/10,000
- Sampling rate 5,000 Hertz
- Tare function
- Sensor protected from overloads up to 200% of its capacity
- Automatic recognition of additional sensors with SPIP connector (force, torque, travel and angle)

#### General characteristics

- Operates on rechargeable batteries
- 8 hours operation without recharging
- Sleep, eco features and fast charge available
- Metal casing and protective elastomer overmould
- Threaded fixing holes on the back for use on test stand
- Calibration certificate included
- Supplied with a carrying case with a main adaptor and a set of accessories (hook, 19mm diameter plate, extension rod)

#### Display features

- Color intuitive touchscreen display
- Portrait or landscape mode
- Simultaneous display of two values (current, peak or calculation)
- Display of Force/Time graph
- Bar graph
- 5 units available : N, kg, lb, g, oz
- Auto-off adjustable from 5 to 15 min, can be deactivated
- Reversible display
- Backlit display
- Low battery indicator
- Protection function (blocking) the current configuration)

#### Calculations

- Peak in tension and compression
- Two programmable set points per channel
- Maxima
- Maxima in a time window
- Time necessary to reach a maximum effort
- Average over the duration of the test
- Force at Time T
- Break point
- Derivative
- First peak
- Force on opening/closing of contact
- Average force

#### Input / Output

- RS232 output, running transmission 100 values per second
- USB output, running transmission 1,000 values per second
- TTL outputs
- Pedal input
- Transmit current reading, minimum, peak, calculation, curve

#### Memory

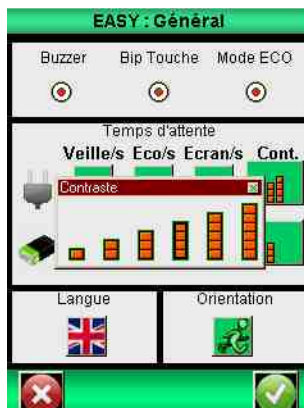
- Memorization of 1 graph curves measured (1000 values)
- Memorization of 100 test results
- Memorization of 1 configurations
- Statistical calculations on memorized values
- Compatible with Datastick memory card reader

#### Friendly user interface with color display



Advanced display setup for battery saving

Multi language



Portrait or landscape display

#### Full output setup on RS232, USB and Analog

