FORCE GAUGE CENTOR STAR TOUCH



The power of material testing equipments 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. **Specifications**

Innovations:

- Memory card reader compatible
- Horizontal or vertical display
- Color touch screen
- USB output
- User friendly interface
- Automatic recognition of external

force and torque sensors

Integrated calculations:

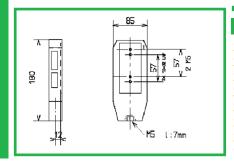
- Maxima
- Maxima in a time window
- Time to reach maximum effort
- Force at time T
- Break point
- Derivative
- First peak
- Force on opening / closing of contact
 - Average force



Accuracy	
/ total acj	
Resolution	
Sampling rate	
Overload protection	
Units	
Auto-off	
Bargraph	
Peak function for tension and compression	
Simultaneous display of peak and current reading	ng
Display of the Force/Time graph	
Can be used with a pedal	
Tare function	
Programmable set point function	
Average and standard deviation function	
Memory	
Orientable display	
Operates on rechargeable batteries	
8 hours of operation without charging	
Fast charge	
Low battery indicator	
Metal casing and elastomer avermould	
Threaded fixing holes for use on a test stand	
RS232 outputs	
USB sampling rate	
Backlit display	

CENTOR STAR TOUCH
0,1 % of the full scale
I/I0,000 of the full scale
5000 Hz
200% of the full scale
N, Lb, Kg, g, Oz
Adjustable from5 to 15 minuts
$\sqrt{}$
\frac{1}{\lambda} \frac{1}{\la
$\sqrt{}$
100 results, 1 curve
$\sqrt{}$
$\sqrt{}$
\frac{1}{\lambda} \frac{1}{\lambda} \frac{1}{\lambda} \frac{1}{\lambda} \frac{1}{\lambda}
$\sqrt{}$
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<u>√</u>
$\sqrt{}$
Current value, peak or calculation
1000 values / second
1

Models and capacities



RÉFÉRENCES	CAPACITY	ACCURACY	RESOLUTION
CNR CT 5	l lb	0.001 lb	0.0001 lb
CNR CT 10	2 lb	0.002 lb	0.0002 lb
CNR CT 25	5 lb	0.005 lb	0.0005 lb
CNR CT 50	10 lb	0.01 lb	0.001 lb
CNR CT 100	20 lb	0.02 lb	0.002 lb
CNR CT 250	50 lb	0.05 lb	0.005 lb
CNR CT 500	100 lb	0.1 lb	0.01 lb
CNR CT 1000	200 lb	0.2 lb	0.02 lb