



Chatillon Digital Force Gauge DFE II Series

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(https://cscforce.com/wp-content/uploads/DFE-II_1306_frit.jpg)

Chatillon DFE II Series Digital Force Gauge

Capacities:

- DFE2-002
 - 2 lb / 32 ozf / 1,000 gf / 1 kgf / 10 N
- DFE2-010
 - 10 lb / 160 ozf / 5,000 gf / 5 kgf / 50 N
- DFE2-025
 - 25 lb / 400 ozf / 10,000 gf / 10 kgf / 100 N
- DFE2-050
 - 50 lb / 800 ozf / 25,000 gf / 25 kgf / 250 N
- DFE2-100

- 100 lbf / 1600 ozf / 50,000 gf / 50 kgf / 500 N
- DFE2-200
 - 200 lbf / 100 kgf / 1,000 N
- DFE2-500
 - 500 lbf / 250 kgf / 2,500 N

Categories: **Chatillon**

(<https://cscforce.com/product-category/brand/chatillon/>), **Chatillon Force Gauges**

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(<https://cscforce.com/product-category/force-gauges/>) Tag: **Chatillon DFE II Series Digital Force Gauge DFE2 DFEII** (<https://cscforce.com/product-tag/chatillon-dfe-ii-series-digital-force-gauge-dfe2-dfeii/>)

↓ Product Description & Resources

Description

Description

The DFE II Series marks a new era in digital force measurement. This compact, easy-to-use force gauge is designed for economy applications without compromising functionality. Ideal for handheld or test stand applications.

The DFE II Series is available with capacities from 2 lbf (10 N) to 500 lbf (2500 N). The gauge features an integral load cell with a measurement accuracy of better than 0.25% full scale. A large, easy-to-read, full color display supports a

variety of standard gauge functions including normal and peak readings, high/low limits, setpoints, pass/fail results, statistical results, load cell actuation and direction. Loads are displayed in ozf, gf, lbf, kgf and N units. The DFE II also includes multiple language interfaces, and is able to change the display language from English to Spanish, French, German, Portuguese, and Chinese.

Easy to Read Display

A large, easy-to-read full color LCD can display readings, icons and visually indicate gauge or test status using various colors. The high resolution display features brightness adjustments and can be inverted when required. The display can even be “hidden” at the press of a button. A load bargraph indicating load direction, measured load and safe load and helps prevent overloads: the load bar changes from green to red to indicate proximity to load cell capacity. The integral loadcells feature mechanical overload protection at 150% Full Scale

Single Touch Operation

The rubber keypad features dedicated and dynamic function keys. The function keys correspond to displayed options and guide the user during operation. A navigation pod lets you navigate through the menus and to scroll and change values quickly. The innovative “i” key can be used to display critical information on the gauge such as gauge capacity and resolution, battery life remaining, loadcell overload history, even service information including last calibration date, or the location of service centers

Dependable Measurements

The DF II Series features an integral loadcell sensor that delivers repeatable, accurate results. The innovative load bargraph shows dynamic load, direction of load and warns you of pending overload conditions. Smart technology in the gauge even keeps track of overload history to aide in maintenance and troubleshooting.

Comprehensive Results

- Measured Result with Units
- Operating Mode
- Pass-Fail Result
- High and Low Load Results

- Saved Results
- Statistical Calculations
 - Average with MIN and MAX Results
 - Cv with Average and Standard Deviation
 - % Differentiation between Successive Results
 - Standard Deviation

Outputs

The DFE II Series comes standard with digital and ana-log outputs. RS232 outputs are supported with baud rates from 9600 to 115,600. Simply select the baud rate and whether or not you want to gauge to transmit with or without units. The unit also is supplied with USB communications capability. You may select the Mitutoyo output when communicating with a Mitutoyo device. Or, you may use the +2V analog output to drive alarms or other ancillary devices. The DFE II features protocols for Chatillon test stands, Mitutoyo devices and an Alternate protocol.

Test Stand Compatibility

The DFE II Series has a universal mounting backplate that enables you to fit the gauge to commonly used Chatillon force testers including the MT Series and New TCM Series testers.

Specifications

- Accuracy
 - +0.25% of Full Scale
- Maximum Overload
 - 150% of Rated Capacity
- Tare Capacity
 - 10% of Rated Capacity
- Resolution
 - 1000:1
- Peak Capture Rate
 - 7000 Hz
- Data Sampling
 - 7 Hz
- Display Update Rate
 - 10 Hz

- Data Save
 - Up to 20 Results
- Power
 - Battery (Nickel Metal Hydride) or direct AC 120/230Vac
- Battery Life
 - With dimming ON: 20 Hours;
 - With dimming OFF: 16 Hours
- Operating Temperature
 - 40 to 110°F (5 to 45°C)
- Instrument Weight
 - 2 lbs (Est)
- Shipping Weight
 - 4.5 lbs (Est)

Additional items to consider

- ForceTest software (<https://cscforce.com/product/chatillon-forcetest-software/>)

Download Data Sheet (<https://cscforce.com/wp-content/uploads/DFE2-series-rev-2.1.pdf>)

Download User Guide (<https://cscforce.com/wp-content/uploads/DFE2-series-manual.pdf>)

Download Comparison Chart (<https://cscforce.com/wp-content/uploads/gauge-comparison-chart-rev2.pdf>)

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Chatillon Digital Force Gauge – DFS II/DFS II-R

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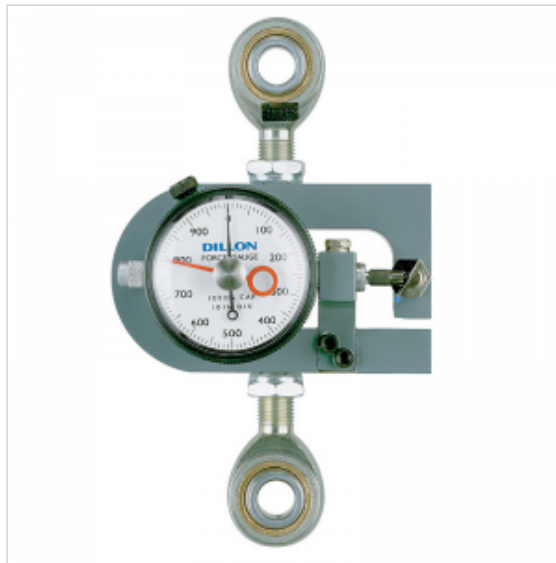
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Chatillon Digital Crane Scale Series CMA

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