

Reads in either either pounds, kilograms or newtons. Designed for superior strength and corrosion resistance -- constructed of electroless nickel plated aircraft-quality alloy steel with a 5:1 safety factor. And Xtreme accuracy of 0.1%.



# DILLON

## Capacity x Readability

100000 lb x 100 lb

Manufacture: Dillon

SKU: **36189-0080**

Free Ground Shipping within the 48  
continental US States

**Please Call (800)832-0055**

## Features

### Quick Specs:

- Capacity: 100000 lbs, 50000 kg, 500000 N
- Basic dynamometer without backlight or radio equipped

### Dillon EDXtreme -- for the toughest jobs you face

Guesswork is not acceptable -- failure is not an option. When you have people working around high tension cables and massive loads, theres no room for error. You have to have complete confidence in the strength and accuracy of your measurement tools.

### Uncompromising on Safety -- adaptable to the need

The EDXtreme exemplifies the trademark precision and rugged construction of Dillon dynamometers. Its highly refined design draws on the inherent strengths of premium grade materials to achieve a **5:1 minimum factor of safety**.

While the EDXtreme may be configured for something as simple as a digital hanging scale, it offers a higher level of intelligence. With user-defined functions and sophisticated communication options, the EDXtreme readily adapts to multi-tasking operations or multi-link systems capable of monitoring

a series of critical stress points from a single location: **it is the definition of application versatility.**

## Extreme engineering

Building a precision instrument that can survive real-world punishment requires masterful engineering. This is where Dillon's experience shines through. The engineers assigned to the EDxtreme drew on a depth of industrial application knowledge and conducted exhaustive materials testing to achieve the highest structural integrity.

- **Superior strength and corrosion resistance** - High capacity models are constructed of electroless nickel-plated aircraft-quality alloy steel. Lower capacity models are anodized aircraft-quality aluminum.
- **5:1 factor of safety** - This measure of strength and safety is maintained in all capacities. Computer modeling confirms the low stress and the long product life that is inherent in the EDxtreme design.
- **Retained hardware** - Allows permanent attachment of centering spacers, which eliminates fumbling during high capacity rigging.
- **NEMA 4X/IP55** - The EDxtreme is clearly the choice for reliability in any environment -- in plant or out on the job site.

## Xtreme accuracy: 0.1%

High resolution and accurate repeatable readings are essential to proper weighing. The higher standards set for the EDxtreme meant taking the time to ensure that material characteristics, load element design and strain gauge meshed perfectly. The result of that effort is a typical accuracy of 0.1% of full scale capacity. The enhanced resolution made of 1 part in 5000 provides the level of readability needed for refined weighing.

## Xtreme ease

- **Exclusive SOFTKEY interface** - Dillon has eliminated confusing menus for faster setup and simple operation. In addition to lbf, kgf and Newtons, programmable functions can correct for gravitational variations and allow the use of custom units of measurement.
- **Wide angle LCD** - Provides improved readability over a wider viewing angle and is available with backlighting for low light conditions.
- **Battery operation** - The EDxtreme is powered by two standard C-cell batteries. Batteries are easily accessible for fast replacement.

## Configuration Options

A basic stand-alone model can be easily upgraded "in the field" to accommodate changing needs. Remote configuration, data acquisition and single point monitoring of multiple links are all possible with the hardwired or radio communication options available with the EDxtreme.

## Additional Features:

- Popular industry-standard shackles insure proper fit
- Battery compartment with easy access without tools
- Sturdy aircraft-quality aluminum (or plated alloy steel case on high capacity models)
- High-resolution dot-matrix LCD display offers large numbers without confusing abbreviations or multipliers
- Injection molded, thick Lexan panels offer superior impact protection
- Softkey interface allows easy and intuitive operation and configuration
- NEMA 4X/IP55 designed for weather and water resistance
- Rounded ends reduce weight and prevent binding and snagging with rigging

## Dynamometer Specifications

- Enclosure: designed to NEMA4X/IP55. Suitable for continuous outdoor use.
- Accuracy: 0.1% of capacity
- Repeatability: 0.1% of capacity (normal resolution mode)
- Safe overload: 200% of capacity
- Body protection: Aluminum capacities are anodized. Alloy steel capacities are electroless nickel plated
- Bearings: unmatched repeatability attained by needle bearings in shackle pin holes up to EDx-10K. Precision machined shackles act as inner race.
- Shackles: Forged industry standard anchor shackle bows, galvanized finish. Models up to EDx-10K use precision machined shackle pin. Higher capacities use forged pin.
- Display: 128 x 64 dot-graphic LCD display shows up to 6 digits 1" (26mm) high plus annunciators and softkeys. Digits are .11" (7mm) thick for unmatched readability.
- Display Update Rate: 2 times/second
- Connector: Recessed sealed connector may be used for direct serial communications or connection to a Communicator remote.
- RS-232 / RS-485: Print or extract data easily. Continuous output can drive a scoreboard. Configurable poll character.
- Battery Life: 320 hours typical use with two C-cell alkaline batteries. 40 hours typical with Radio Link system.
- Operating Temp: -4°F to 140°F (-20°C to 60°C)

**Ships with dynamometer, shipping/storage crate(s), batteries, manual, and certificate of calibration.**

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