

# EDXtreme Blue Dynamometer



The EDXtreme Blue is the latest Dillon dynamometer offering, allowing for wireless use through a Bluetooth® connection with an Android or iOS device. Utilization of the Dillon EDX free mobile app allows for remote monitoring, data logging and exporting, and remote configuration of the EDXtreme Blue dynamometer.

Unlike the EDXtreme Red, the EDXtreme Blue dynamometer does not have a functional RS-232 or USB interface and does not connect to a Communicator II device. However, when paired with a user's mobile device the Dillon EDX mobile app allows for direct exporting of captured logs in PDF or CSV formats.

## Easy, One-to-One Communication

The EDXtreme Blue mobile app allows for easy discovery and direct pairing to any EDXtreme Blue dynamometer within a 400' line-of-sight range. Simply power on the EDXtreme Blue dynamometer, open the free Dillon EDX mobile application and select "Add Bluetooth Device". All EDXtreme Blue dynamometers that are powered on within range will populate the mobile app allowing for fast, painless pairing with the device.

Dillon's softKey interface eliminates confusing menus for faster set-up 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. In addition to the ability to change these setup options via the softKeys, toggling of units and zeroing ability performable through the mobile application.

While the Dillon EDX mobile app will detect numerous devices, it will only pair with one dynamometer at a time. In order to monitor the load/force of multiple dynamometers on a given screen at one time, users must utilize an EDXtreme Red with Communicator II.

## Xtreme engineering

Building a precision instrument that can survive real-world punishment requires precise engineering. This is where Dillon's experience shines through. Our engineers have drawn upon their collective mechanical, electrical and component experience to achieve the highest structural integrity.

- **Capacity** – 2500 lbf to 25,000 lbf / 1000 kgf to 10,000 kgf
- **7:1 factor of safety\*** – This measure of strength and safety is maintained by most capacities. Computer modeling confirms the low stress and long product life that is inherent in the EDXtreme design.  
\* Models 5T and below feature a 7:1 safety factor. Model 10T features a 5:1 safety factor.
- **Superior strength and corrosion resistance** – High capacity models are constructed of powder coated aircraft-quality alloy steel. Lower capacity models are powder coated aircraft-quality aluminum.
- **Retained hardware** – Allows permanent attachment of centering spacers, which eliminates fumbling during high capacity rigging
- **NEMA 4X/IP68** – The EDXtreme is clearly the choice for reliability in any environment – in-plant or out on the job site

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## Dynamometer Specifications

**Enclosure:** IP68

**Accuracy:** 0.1% of capacity up to EDX-10T.\*

**Repeatability:** 0.1% of capacity up to EDX-10T.\*

\* Normal resolution mode with Dillon provided shackles.

**Proof Load:** 150% of capacity up to EDX-10T on Load Link.  
Will proof load shackles upon request.

**Ultimate Overload:** See table on reverse.

**Safe Overload:** 200% of capacity.

**Body Protection:** Aluminum and alloy steel capacities are powder coated.

**Bearings:** Unmatched repeatability attained by needle bearings in shackle pin holes up to EDX-5T. Shackle pin acts as inner race.

**Shackles:** Forged industry standard anchor shackles.

**Display:** 128 x 64 dot-graphic LCD display shows up to 6 digits 1.0" (26 mm) high plus annunciators and softkeys. Digits are .11 inches (3 mm) thick for unmatched readability.

**Display Update Rate:** 2 times per second.

**Peak Capture Rate:** 10/100/1,000 Hz

**Calibration:** Traceable to the National Institute of Standards and Technology. Certificate included with curve of readings.

**Battery Life:** Stand up to 400+ hours. Use with two C-Cell alkaline batteries. (When using backlight, battery life will be reduced, depending on intensity.)

**Operating Temperature:** -4° F to 158° F (-20° to 70° C).

**Included with Instrument:** All include certificate of calibration, manual and batteries. Plastic carry case included.

**Options:** Shackles.

**Approval:** CE on all capacities.

## Bluetooth Specifications

**FCC Certified:** For unlicensed low power devices. No radio licensing or permits required for normal operation.\* (In the US and Canada. Check local ordinances in other countries.).

**Frequency:** 2.402 GHz to 2.480 GHz.

**Output Level:** 2.5 mW (4 dBm).

**Antenna:** Integral antenna.

**Range:** Open air range up to 400 feet, line-of-sight with device not on ground. Indoor range untested. Low power Bluetooth systems are dependent on environmental obstacles and interference from other devices. Bluetooth devices are not suitable for all applications.

## Weights

Model	Unit Weight lb (kg)	Weight with Shackles lb (kg)	Unit Ship Weight lb (kg)	Unit/Shackle Ship Dimension in (mm)
EDx-1T	4.3 (2.0)	8.6 (3.9)	18 (8)	16 x 7 x 19 (406 x 178 x 483)
EDx-2T	4.4 (2.0)	8.7 (3.9)	18 (8)	16 x 7 x 19 (406 x 178 x 483)
EDx-5T	5.6 (2.5)	14 (6)	23 (10)	16 x 7 x 19 (406 x 178 x 483)
EDx-10T	16 (7.3)	38 (17)	53 (24)	21 x 11 x 23 (553 x 279 x 584)

