

# EDXtreme Dynamometer Specifications

## Capacity & Resolution

Model*	Capacity x Resolution (normal/enhanced)			Overload <sup>†</sup>	Construction
EDx-1T (EDx-2.5K)	2,500 lbf x 2/0.5	1,000 kgf x 1/0.2	10,000 N x 10/2	700%	Aircraft-quality 2024 aluminum
EDx-2T (EDx-5K)	5,000 lbf x 5/1	2,000 kgf x 2/0.5	20,000 N x 20/5		
EDx-5T (EDx-10K)	10,000 lbf x 10/2	5,000 kgf x 5/1	50,000 N x 50/10		
EDx-10T (EDx-25K)	25,000 lbf x 20/5	10,000 kgf x 10/2	100,000 N x 100/20	500%	Aircraft-quality E4340 alloy steel

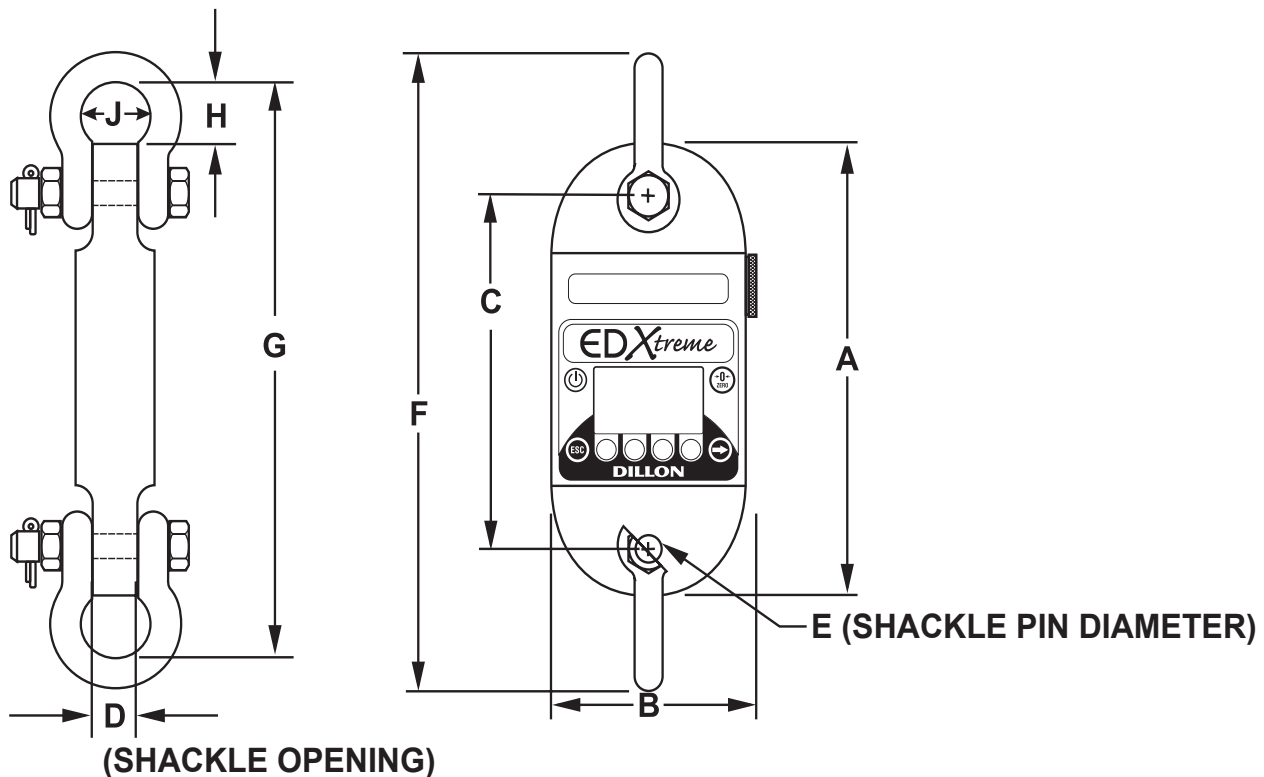
\* Model number in parenthesis shows U.S. convention for describing capacities. <sup>†</sup> Ultimate overload protection rating.

## Dimensions inches (mm)

Model	A	B	C	D	E	F	G	H	J	Shackle
EDx-1T	10.6 (269)	5.0 (127)	7.8 (198)	1.06 (26)	0.75 (19)	15.3 (389)	13.4 (340)	1.36 (34)	1.69 (43)	Dillon
EDx-2T	10.6 (269)	5.0 (127)	7.8 (198)	1.06 (26)	0.75 (19)	15.3 (389)	13.4 (340)	1.36 (34)	1.69 (43)	Dillon
EDx-5T	11.4 (289)	5.3 (135)	8.1 (206)	1.46 (37)	1.00 (25)	17.5 (444)	15.7 (400)	2.17 (55)	2.28 (58)	Green Pin*
EDx-10T	11.5 (291)	5.3 (133)	7.9 (201)	2.01 (51)	1.38 (35)	21.0 (534)	18.5 (470)	3.50 (89)	3.25 (83)	Green Pin*

\* Dimensions using Green Pin shackles. Crosby shackles available. Consult factory for dimensions.

Dimensions shown are nominal and subject to tolerances.



## 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)

