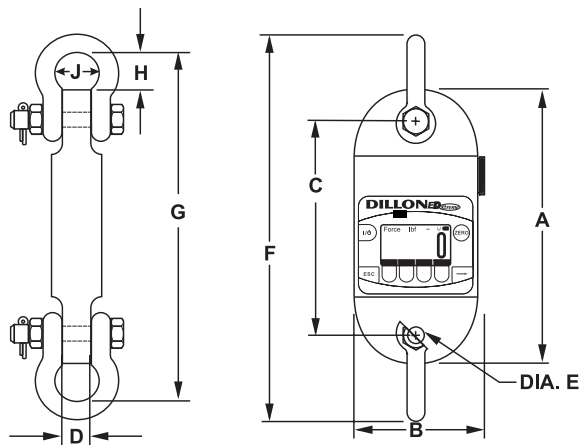


DILLON

EDxtreme Dynamometer Specifications

| Model | Capacity x Resolution | (normal/enhanced) | Body Construction and Overload Design |
|----------|-----------------------|----------------------|---------------------------------------|
| EDx-2.5K | 2,500 lbf x 2/0.5 | 1,000 kgf x 1/0.2 | 10000 N x 10/2 |
| EDx-5K | 5,000 lbf x 5/1 | 2,000 kgf x 2/0.5 | 20000 N x 20/5 |
| EDx-10K | 10,000 lbf x 10/2 | 5,000 kgf x 5/1 | 50000 N x 50/10 |
| EDx-25K | 25,000 lbf x 20/5 | 10,000 kgf x 10/2 | 100000 N x 100/20 |
| EDx-50K | 50,000 lbf x 50/10 | 20,000 kgf x 20/5 | 200000 N x 200/50 |
| EDx-100K | 100,000 lbf x 100/20 | 50,000 kgf x 50/10 | 500000 N x 500/100 |
| EDx-160K | 160,000 lbf x 200/50 | 75,000 kgf x 100/20 | ----- |
| EDx-220K | 220,000 lbf x 200/50 | 100,000 kgf x 100/20 | ----- |
| EDx-330K | 330,000 lbf x 500/200 | 150,000 kgf x 200/50 | ----- |
| EDx-550K | 550,000 lbf x 500/200 | 200,000 kgf x 200/50 | ----- |

| Dimensions <i>Dimensions shown are nominal and subject to tolerances</i> | | | | | | | | | | |
|--|------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|
| Model | | A | B | C | D | E | F | G | H | J |
| EDx-2.5K | inch mm | 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 |
| EDx-5K | inch mm | 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 |
| EDx-10K | inch mm | 11.4 289 | 5.3 135 | 8.1 206 | 1.38 35 | 1.00 25 | 17.8 451 | 15.8 402 | 2.17 56 | 2.28 58 |
| EDx-25K | inch mm | 11.5 291 | 5.3 133 | 7.9 201 | 1.97 50 | 1.38 35 | 21.6 548 | 18.8 478 | 3.67 93 | 3.25 83 |
| EDx-50K | inch mm | 13.7 348 | 6.0 152 | 9.0 229 | 2.75 70 | 2.0 51 | 29.7 754 | 25.2 640 | 5.7 146 | 5.0 127 |
| EDx-100K | inch mm | 15.8 400 | 6.08 172 | 10.3 262 | 3.88 99 | 2.75 70 | 40.5 1029 | 34.3 870 | 9.3 235 | 7.3 184 |
| EDx-160K | inch mm | 16.5 419 | 7.8 197 | 10.3 262 | 3.88 99 | 2.75 70 | 40.5 1030 | 34.3 870 | 8.9 225 | 7.3 184 |
| EDx-220K | inch mm | 18.0 457 | 7.8 197 | 11.0 280 | 5.00 127 | 3.25 83 | 47.7 1211 | 40.5 1027 | 11.2 284 | 7.8 200 |
| EDx-330K | inch mm | 21.0 533 | 8.8 222 | 12.6 321 | 5.25 133 | 3.75 95 | 53.9 1368 | 45.6 1159 | 12.3 313 | 9.0 229 |
| EDx-550K | inch mm | 27.0 686 | 9.8 248 | 17.5 445 | 8.5 216 | 5.00 127 | 75.8 1925 | 62.8 1595 | 17.9 454 | 13.0 330 |



EDxtreme Electronic Dynamometer Specifications

Dynamometer Specifications

- Enclosure:** Designed to NEMA4X/IP55. Suitable for continuous outdoor use.
- Accuracy:** 0.1% of capacity up to EDx-100K.*
0.3% of capacity for EDx-160K and above.*
- Repeatability:** 0.1% of capacity up to EDx-100K.*
0.3% of capacity for EDx-160K and above.*
*Normal resolution mode with Dillon provided shackles.
- Ultimate overload:** See table on reverse.
- 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. Shackle pin acts as inner race.
- Shackles:** Forged industry standard anchor shackles. Models up to EDx-10K use precision machined shackle pin. Higher capacities use bar stock pin.
- 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 (7mm) thick for unmatched readability.
- Display update rate:** 2 times per second.
- Connector:** Recessed sealed connector may be used for serial communications or connection to a Communicator remote.
- RS-232 / RS-485 communication:** Print or extract data easily. Continuous output can drive a scoreboard. Configurable poll character.
- Calibration:** Traceable to the National Institute of Standards and Technology. Certificate included with curve of readings. Passes only with three consecutive confirming runs, with all points in specification.
- Battery life:** 320 hours typical use with two C-cell alkaline batteries. 40 hours typical with Radio Link system.
- Operating temperature:** -4° F to 140° F (-20° to 60° C)
- Included with instrument:** All include certificate of calibration, manual and batteries. Plastic carry case included for EDx-2.5 to EDx-100K. Higher capacities include rugged plywood storage crate. Instruments with shackles include centering spacers (ED-x50K & up) and storage crate (EDx-50K to EDx-160K).
- Options:** Shackles. 2.4 GHz radio board. Display backlight.

Communicator Specifications

- Enclosure:** Designed to NEMA 3 / IP44 with optional sleeve. Suitable for protected outdoor use.
- Instrument size:** 9.0 x 4.6 x 1.8 inch (228 x 117 x 45mm).
- Accuracy:** Not applicable. Only sends and receives digital information.
- Display:** 128 x 64 dot-graphic LCD display can show full readings up to 5 instruments.
- Battery life:** 40 hours radio or 45 wireline using four AA alkaline batteries under typical use.
- Operating temperature:** -4° F to 140° F (-20° to 60° C)
- Connectors:** Sealed connectors may be used for serial communications and wired connection to an EDxtreme dynamometer.
- RS-232 communication:** Print or extract data easily. Continuous output can drive a scoreboard. Configurable poll character.
- Included with remote:** Carry case and batteries.
- Accessories:** Rubberized case protector sleeve.
Remote wall mount bracket. Serial and remote cable assemblies.

Radio 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:** 2.4 GHz spread-spectrum operates between 2.402 – 2.478 GHz. Continuously and automatically changes frequencies many times per second for consistent, reliable communications.
- Output level:** 10 mW (20 dBm)
- Display update rate:** 2 times per second with single dynamometer. Multi-instrument networks result in reduced updates.
- Number of networks:** 63 remotes can operate independently in the same airspace with unique channels.
- Number of links remote can control:** Up to 15 addresses are available per network channel.
- Configuration:** Address and Network channels are front-panel configurable.
- Antenna:** Integral antenna.
- Range:** Open-air – Up to 300 feet, line-of-sight.
Indoors – Dependent upon environment with 150 feet common.
- Approval:** FCC ID: KQL-PKLR2400
CAN ID: CAN2268391158A

| WEIGHTS | | | |
|--------------|-------------|----------------------|-------------------------|
| Model | Unit Weight | Weight with Shackles | Approx. Shipping Weight |
| EDx-2.5K | lb | 4.3 | 8.6 |
| | kg | 2.0 | 3.9 |
| EDx-5K | lb | 4.4 | 8.7 |
| | kg | 2.0 | 3.9 |
| EDx-10K | lb | 5.6 | 14 |
| | kg | 2.5 | 6.1 |
| EDx-25K | lb | 16 | 40 |
| | kg | 7.3 | 18 |
| EDx-50K | lb | 25 | 96 |
| | kg | 11 | 43 |
| EDx-100K | lb | 38 | 238 |
| | kg | 17 | 108 |
| EDx-160K | lb | 54 | 250 |
| | kg | 25 | 114 |
| EDx-220K | lb | 70 | 410 |
| | kg | 32 | 186 |
| EDx-330K | lb | 120 | 650 |
| | kg | 54 | 295 |
| EDx-550K | lb | 250 | 1,490 |
| | kg | 113 | 675 |
| Communicator | lb | 1 | n/a |
| | kg | .5 | 5 |

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