## EDXtreme Dynamometer Specifications

### Capacity & Resolution

<table>
<thead>
<tr>
<th>Model*</th>
<th>Capacity x Resolution (normal/enhanced)</th>
<th>Overload†</th>
<th>Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDx–1T (EDx-2.5K)</td>
<td>2,500 lbf x 2/0.5, 1,000 kgf x 1/0.2, 10,000 N x 10/2</td>
<td>700%</td>
<td>Aircraft-quality 2024 aluminum</td>
</tr>
<tr>
<td>EDx–2T (EDx-5K)</td>
<td>5,000 lbf x 5/1, 2,000 kgf x 2/0.5, 20,000 N x 20/5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDx–5T (EDx-10K)</td>
<td>10,000 lbf x 10/2, 5,000 kgf x 5/1, 50,000 N x 50/10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDx–10T (EDx-25K)</td>
<td>25,000 lbf x 20/5, 10,000 kgf x 10/2, 100,000 N x 100/20</td>
<td>500%</td>
<td>Aircraft-quality E4340 alloy steel</td>
</tr>
<tr>
<td>EDx–25T (EDx-55K)</td>
<td>55,000 lbf x 50/10, 25,000 kgf x 20/5, 250,000 N x 200/50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDx–50T (EDx-100K)</td>
<td>100,000 lbf x 100/20, 50,000 kgf x 50/10, 500,000 N x 500/100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDx–75T (EDx-160K)</td>
<td>160,000 lbf x 100/50, 75,000 kgf x 50/20</td>
<td>400%</td>
<td>Aircraft-quality E4340 alloy steel</td>
</tr>
<tr>
<td>EDx–100T (EDx-220K)</td>
<td>220,000 lbf x 200/50, 100,000 kgf x 100/20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDx–150T (EDx-330K)</td>
<td>330,000 lbf x 200/100, 150,000 kgf x 100/50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDx–250T (EDx-550K)</td>
<td>550,000 lbf x 500/200, 250,000 kgf x 200/50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Model number in parenthesis shows U.S. convention for describing capacities.  † Ultimate overload protection rating.

### Dimensions

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EDx–1T</td>
<td>10.6 (269)</td>
<td>5.0 (127)</td>
<td>7.8 (198)</td>
<td>1.06 (26)</td>
<td>0.75 (19)</td>
<td>15.3 (389)</td>
<td>13.4 (340)</td>
<td>1.36 (34)</td>
<td>1.69 (43)</td>
<td>Dillon</td>
</tr>
<tr>
<td>EDx–2T</td>
<td>10.6 (269)</td>
<td>5.0 (127)</td>
<td>7.8 (198)</td>
<td>1.06 (26)</td>
<td>0.75 (19)</td>
<td>15.3 (389)</td>
<td>13.4 (340)</td>
<td>1.36 (34)</td>
<td>1.69 (43)</td>
<td>Dillon</td>
</tr>
<tr>
<td>EDx–5T</td>
<td>11.4 (289)</td>
<td>5.3 (135)</td>
<td>8.1 (206)</td>
<td>1.46 (37)</td>
<td>1.00 (25)</td>
<td>17.5 (444)</td>
<td>15.7 (400)</td>
<td>2.17 (55)</td>
<td>2.28 (58)</td>
<td>Green Pin*</td>
</tr>
<tr>
<td>EDx–10T</td>
<td>11.5 (291)</td>
<td>5.3 (133)</td>
<td>7.9 (201)</td>
<td>2.01 (51)</td>
<td>1.38 (35)</td>
<td>21.0 (534)</td>
<td>18.5 (470)</td>
<td>3.50 (89)</td>
<td>3.25 (83)</td>
<td>Green Pin*</td>
</tr>
<tr>
<td>EDx–25T</td>
<td>13.7 (348)</td>
<td>6.0 (152)</td>
<td>9.0 (229)</td>
<td>2.91 (74)</td>
<td>1.97 (50)</td>
<td>28.7 (730)</td>
<td>25.2 (640)</td>
<td>5.70 (146)</td>
<td>4.96 (126)</td>
<td>Green Pin*</td>
</tr>
<tr>
<td>EDx–50T</td>
<td>15.8 (400)</td>
<td>6.8 (172)</td>
<td>10.3 (262)</td>
<td>4.13 (105)</td>
<td>2.75 (70)</td>
<td>38.8 (986)</td>
<td>33.7 (856)</td>
<td>8.98 (228)</td>
<td>7.09 (180)</td>
<td>Green Pin*</td>
</tr>
<tr>
<td>EDx–75T</td>
<td>16.5 (419)</td>
<td>7.8 (197)</td>
<td>10.3 (262)</td>
<td>4.13 (105)</td>
<td>2.75 (70)</td>
<td>39.3 (998)</td>
<td>33.7 (856)</td>
<td>8.58 (218)</td>
<td>7.09 (180)</td>
<td>Green Pin*</td>
</tr>
<tr>
<td>EDx–100T</td>
<td>18.0 (457)</td>
<td>7.8 (197)</td>
<td>11.0 (280)</td>
<td>5.00 (127)</td>
<td>3.25 (83)</td>
<td>46.9 (1191)</td>
<td>40.4 (1025)</td>
<td>11.14 (283)</td>
<td>7.48 (190)</td>
<td>Green Pin*</td>
</tr>
<tr>
<td>EDx–150T</td>
<td>21.0 (533)</td>
<td>8.8 (222)</td>
<td>12.6 (321)</td>
<td>5.25 (133)</td>
<td>3.75 (95)</td>
<td>53.9 (1368)</td>
<td>45.6 (1159)</td>
<td>12.3 (313)</td>
<td>9.0 (229)</td>
<td>Crosby</td>
</tr>
<tr>
<td>EDx–250T</td>
<td>27.0 (686)</td>
<td>9.8 (248)</td>
<td>17.5 (445)</td>
<td>8.5 (216)</td>
<td>5.00 (127)</td>
<td>75.8 (1925)</td>
<td>62.8 (1595)</td>
<td>17.9 (454)</td>
<td>13.0 (330)</td>
<td>Crosby</td>
</tr>
</tbody>
</table>

* Dimensions using Green Pin shackles. Crosby shackles available. Consult factory for dimensions. Dimensions shown are nominal and subject to tolerances.
**Dynamometer Specifications**

- **Enclosure:** Designed to NEMA 4X/IP55. Suitable for continuous outdoor use.
- **Accuracy:** 0.1% of capacity up to EDX-50T.*
  - 0.3% of capacity for EDX-75T and above.*
- **Repeatability:** 0.1% of capacity up to EDX-50T.*
  - 0.3% of capacity for EDX-75T and above.*
  - *Normal resolution mode with Dillon provided shackles.
- **Proof Load:** 150% of capacity up to EDX-7ST on Load Link. 110% of capacity EDX-100T and above 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 shackles pin holes up to EDX-5T. Shackles pin acts as inner race.
- **Shackles:** Forged industry standard anchor shackles. Models up to EDXST use precision machined shackles. Higher capacities use bar stock pin.
- **Display:** 128 x 64 dot-graphic LCD display shows up to 6 digits 1” (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 2 times per second.
- **Connector:** Recessed sealed connector may be used for serial communications or connection to a Communicator II remote.
- **RS-232 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.
- **Battery Life:** Stand alone EDXtreme with no radio and no backlight lasts up to 400+ hours. 150 hours continuous with Radio Link System. 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).
- **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:** 5.8 2.4 GHz frequency band operates between 2.4 to 2.4835 GHz.
- **Output Level:** 10 mW (10 dBm).
- **Display Update Rate:** 1 time per second.
- **Number of Links Remote Can Control:** Up to 15 addresses.
- **Configuration Address:** Automatic and configurable.
- **Antenna:** Integral antenna.

**Communicator II Specifications**

- **Enclosure:** Designed to NEMA 3 / IP54 with optional sleeve. Suitable for protected outdoor use.
- **Instrument Size:** 9.5 x 5.0 x 2.5 inch (241 x 127 x 64 mm).
- **Accuracy:** Not applicable. Only sends and receives digital information.
- **Display:** 128 x 64 dot-graphic LCD display can show full readings to 5 instruments.
- **Battery Life:** Up to 80 hours continuous radio using (4) AA alkaline batteries.
- **Operating Temperature:** -4°F to 158°F (-20° to 70°C).
- **Connectors:** Sealed connectors may be used for serial communications and wired connection to an EDXtreme dynamometer.
- **Unit/Shackle Ship Dimension in (mm):**
  - EDX-15T: 17 x 9 x 23
  - EDX-100T: 15 x 8 x 26

**Weights**

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

**EDXtreme Specifications**

- **Weight**
  - EDX-1T: 4.4 (2.0)
  - EDX-2T: 4.4 (2.0)
  - EDX-5T: 5.6 (2.5)
  - EDX-10T: 16 (7.3)

**Communicator II**

- **Model:**
  - EDX-25T: 25 (11)
  - EDX-50T: 38 (17)
  - EDX-75T: 54 (25)
  - EDX-100T*: 70 (32)
  - EDX-150T*: 120 (54)
  - EDX-250T*: 250 (113)

**Accessories:**

- Rubberized case protector sleeve.
- Remote wall mount bracket. Serial and remote cable assemblies.
- Optional audible alarm: Alarm sounds (105dB) when pre-defined load limit has been exceeded.

**Authorized Distributors**

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  - Fairmont, MN 56031
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  - Phone: (507) 238-8796
  - Fax: (507) 238-8282
  - www.dillonforce.com

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  - West Midlands B66 2LP
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  - Fax: +44 (0) 845 246 6718
  - Email: sales@dillon-force.co.uk
  - www.dillon-force.co.uk

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**Dillon’s Total Quality System**

- **ISO 9001**

**Dillon Force Measurement Equipment**

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