

# DILLON™

## EDx DYNAMOMETER

- **THREE CONFIGURATIONS:**
  - BASIC STAND-ALONE
  - REMOTE CABLE CONTROL
  - REMOTE RADIO CONTROL
- **CAPACITIES TO 550,000 lbf / 250,000 kgf**
- **SELECTABLE UNITS: lbf/ kgf/N**
- **NEMA 4 WEATHERPROOF HOUSING**
- **RS232/RS485 COMPUTER OUTPUT**
- **BATTERY OR AC POWER**
- **ACCURACY: ± 0.1%**

### CONSTRUCTION

- High capacity EDx are nickel-plated alloy steel; low capacity models are anodized aluminum.
- Shackles are industry standard forged steel.
- 5:1 safety factor with 700% ultimate overload protection.
- NEMA enclosures for continuous outdoor use.
- Easy access battery compartment no tools required.
- EDx rounded ends prevent binding and snagging.

### OPERATION

- Stand-alone EDx for simple direct applications.
- Cable EDx for improved remote safety applications.
- Radio EDx for extremely versatile remote applications.
- RS232/RS485 data to computer via cable.
- Hand-held remote Communicator manages one or more EDx using radio links and displays load at any or all points with total of all.
- Radio EDx operates on nominal 2.4 Ghz to eliminate interference and scans to the strongest signal.
- Open-air radio range to 300'; indoors to 150'.

### DISPLAY

- Large 1" high, 0.1" thick LCD 6 digit display.
- Selectable lbf/kgf/N units.
- Selectable normal or enhanced fine reading resolution.

### POWER REQUIREMENTS

- EDx - AC adapter or 320 hour batteries.
- Communicator - AC adapter or 40 hour batteries.

### ACCESSORIES

- Batteries, manual, NIST Calibration Certificate and case.

### ACCURACY

- ± 0.1% of full scale through EDx 100K.
- ± 0.3% of full scale for EDx 160K and above.

*EDx  
Dynamometer*



*Remote Communicator*

The **EDx Digital Dynamometer** offers **three configurations** from digital hanging scale to remote cable or remote radio control:

- **EDx Dynamometer - Stand-alone non-remote.**
- **EDx Dynamometer - Cable connected remote Communicator.**
- **EDx Dynamometer - Radio linked remote Communicator.**

**Modular design** is the key to and most attractive feature of the EDx advanced configurations. The **stand alone EDx** Dynamometer is easily **upgraded to remote control** by adding the Communicator display for remote viewing and control of one or several EDx.

The **EDx Communicator** is linked to the EDx Dynamometer with **25' or 50' cable** or **radio** with an **outdoor range to 300'**.

One or several EDx radio dynamometers are monitored by a single remote radio linked controller. For multiple EDx operations, the radio controller displays the load at each EDx and sums the total of all.

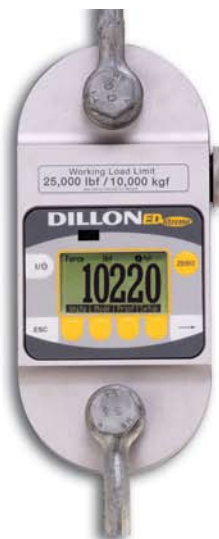
**EDx data** is sent to a PC via **RS232 serial cable** for compilation and analysis or to generate hardcopy printouts.

The **rugged EDx** is a highly refined dynamometer using **premium grade materials** that achieve a **minimum 5:1 safety factor**. Lower capacity models are anodized aircraft quality aluminum, while high capacity EDx are nickel-plated alloy steel. All EDx are built to **NEMA standards** for reliability in **any environment**.

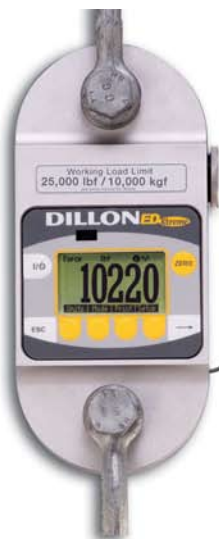
Prices and specifications are subject to change without notice.

**CALL US TOLL FREE 800-345-4188**





**EDx  
Non-Remote  
OPTION (1)**



**EDx  
Remote Cable  
OPTION (2)**



**EDx  
Remote Radio  
OPTION (3)**



### EDx DYNAMOMETER SPECIFICATIONS

Model	Non-Remote Basic Option (1)	Remote Cable Option (2)	Remote Radio Option (3)	CAPACITY x RESOLUTION (Normal / Enhanced)*			EDx with 2 shackles lb / kg	Shipping Weight lb / kg
				lbf	kgf	N		
EDx-2.5K	\$1,875	\$3,230	\$3,815	2,500 x	2/0.5 lbf	1,000 x 1/0.2 kgf	10,000 x 10/2 N	8.6 / 3.9 13 / 6
EDx-5K	2,085	3,440	4,020	5,000 x	5/1 lbf	2,000 x 2/0.5 kgf	20,000 x 20/5 N	8.7 / 3.9 13 / 6
EDx-10K	2,450	3,805	4,390	10,000 x	10/2 lbf	5,000 x 5/1 kgf	50,000 x 50/10 N	14 / 6.1 22 / 10
EDx-25K	3,080	4,435	5,020	25,000 x	20/5 lbf	10,000 x 10/2 kgf	100,000 x 100/20 N	40 / 18 46 / 21
EDx-50K	3,805	5,160	5,745	50,000 x	50/10 lbf	20,000 x 20/5 kgf	200,000 x 200/50 N	96 / 43 125 / 56
EDx-100K	7,095	8,450	8,390	100,000 x	100/20 lbf	50,000 x 50/10 kgf	500,000 x 500/100 N	238 / 108 296 / 134
EDx-160K	13,080	14,435	14,195	160,000 x	100/50 lbf	75,000 x 50/20 kgf	—	250 / 114 325 / 145
EDx-220K	17,470	18,825	18,960	220,000 x	200/50 lbf	100,000 x 100/20 kgf	—	410 / 186 480 / 218
EDx-330K	26,505	27,860	28,155	330,000 x	200/100 lbf	150,000 x 100/50 kgf	—	650 / 295 750 / 340
EDx-550K	41,390	42,745	43,000	550,000 x	500/200 lbf	250,000 x 200/50 kgf	—	1,490 / 675 1,600 / 725

\*Normal or enhanced resolution is selected at EDx or remote display Communicator.

OPTION (1) – EDx Dynamometer, 2 shackles; display backlight and AC adapter.

OPTION (2) – EDx Dynamometer, 2 shackles, 25' cable, remote display with backlight and AC adapter.\*\*

OPTION (3) – EDx Dynamometer, 2 shackles, remote radio display with backlight and AC adapter.\*\*

ALL OPTIONS INCLUDE: Batteries, AC adapter\*\*, manual, NIST Calibration Certificate and plastic case thru 100K; plywood over 100K.

\*\*Specify if AC adapter will be used with EDx or remote display Communicator.

### ACCESSORIES

36057-0022	Cable, computer serial with 9 pin / D connector, 12 feet	<b>\$100</b>
36262-0015	Power Adapter, 100 - 240 VAC, standard U.S. wall plug for EDx	<b>160</b>
36262-0023	Power Adapter, 100 - 240 VAC, standard U.S. wall plug for remote display	<b>160</b>
46605-0069	Wall mount holder for remote display	<b>30</b>
46605-0077	Protective rubber sleeve for remote display - outdoor use	<b>50</b>
36057-0071	Cable, remote display to EDx, 50 feet, for Option (2)	<b>190</b>

#### Notes:

- 1) Various other configurations are available - Up to 15 EDx for one remote radio communicator and 63 remotes in the same airspace.
- 2) Remote radio EDx is FCC certified for unlicensed low power devices - no radio license or permit required for the U.S. or Canada.

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[www.wagnerinstruments.com](http://www.wagnerinstruments.com)

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