EDjunior Dynamometer Specifications

DILLON

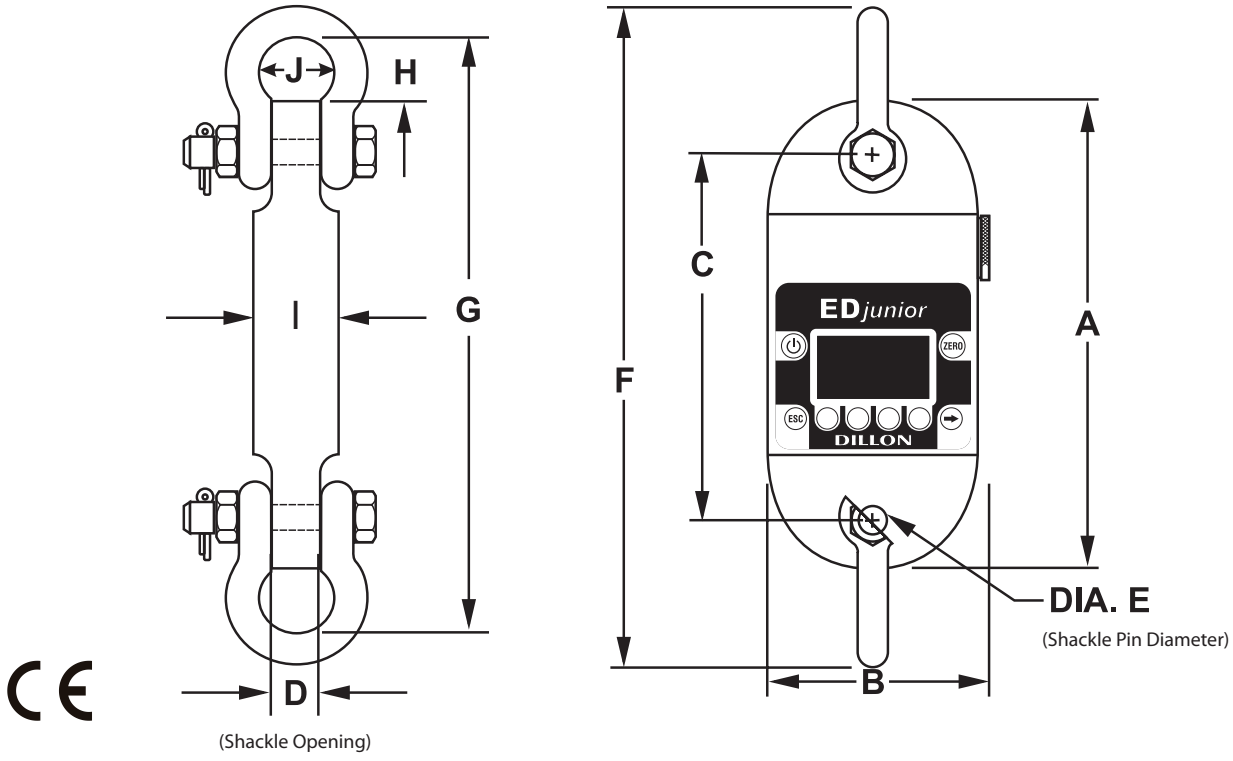
Capacity x Resolution				Body Construction and Overload Design
EDjr–1T (EDjr-2.5K)	2,500 lbf x 2	1,000 kgf x 1	10,000 N x 10	Aircraft quality 2024 Aluminum 700% Ultimate overload protection
EDjr–2T (EDjr-5K)	5,000 lbf x 5	2,000 kgf x 2	20,000 N x 20	
EDjr–5T (EDjr-10K)	10,000 lbf x 10	5,000 kgf x 5	50,000 N x 50	
EDjr–10T (EDjr-25K)	25,000 lbf x 20	10,000 kgf x 10	100,000 N x 100	E4340 Alloy Steel 500% Ultimate overload protection

Note: Model in parenthesis shows U.S. convention for describing capacities.

Dimensions

Model		A	B	C	D	E	F	G	H	I	J
EDjr–1T	inch	8.4	5.0	6.9	0.75	0.50	11.6	10.8	1.20	2.03	1.16
	mm	213	127	174	19	13	296	274	30	52	29
EDjr–2T	inch	10.6	5.0	7.8	1.06	0.75	14.8	13.4	1.41	2.94	1.69
	mm	269	127	198	27	19	375	340	35	75	43
EDjr–5T	inch	11.4	5.3	8.1	1.38	1.00	17.8	15.8	2.22	4.03	2.28
	mm	289	135	206	35	25	451	402	56	102	58
EDjr–10T	inch	11.5	5.3	7.9	1.97	1.38	21.6	18.8	3.67	4.53	3.25
	mm	291	133	201	50	35	548	478	93	115	83

Dimensions using Green Pin shackles (Crosby shackles available). *Dimensions shown are nominal and subject to tolerances.*



CE

EDjunior Electronic Dynamometer

Specifications

Enclosure: Designed to NEMA4X/IP68.
Suitable for continuous outdoor use.

Accuracy: 0.2% of capacity.

Repeatability: 0.2% of capacity.

Proof Load: 150% of capacity on Load Link.
Will proof load shackles upon request.

Ultimate Overload: See table on reverse.

Safe Overload: 200% of capacity.

Display: 128 x 64 dot-graphic LCD display shows all digits 1.0" (26 mm) high plus annunciators and softkeys.

Display Update Rate: 2 times per second.

Peak Hold Sampling Rate: 10 times per second typical.

RS-232 Communication: Not available.
See Dillon EDXtreme.

Calibration: Traceable to the National Institute of Standards and Technology. Calibration card included.

Battery Life: 425 hours typical use with two C-cell alkaline batteries.

Backlight: Configurable. Using backlight will consume more battery power, reducing battery life.

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

Included with Instrument:
Carry case, batteries, manual and calibration card.

Warranty: 2 years parts and labor.

Overload: Recorded at 120% with date and time stamp.

Weights

Model	Unit Weight lb (kg)	Ship Weight lb (kg)	Ship Dimension in (mm)
EDjr–1T (2500 lb)	3.9 (1.8)	13 (6)	19 x 16 x 7 (483 x 406 x 178)
EDjr–2T (5000 lb)	7.8 (3.9)	18 (8)	19 x 16 x 7 (483 x 406 x 178)
EDjr–5T (10,000 lb)	14.3 (6.5)	23 (10)	19 x 16 x 7 (483 x 406 x 178)
EDjr–10T (25,000 lb)	41 (19)	54 (24)	22 x 21 x 11 (559 x 533 x 279)

Improved performance, convenience and features are available from the EDjunior's big brother, the EDXtreme.
See EDXtreme Electronic Dynamometer brochure and specifications for details.

AUTHORIZED DISTRIBUTORS

Ask the experts. Dillon distributors offer complete service capabilities from application assistance to sales and product support. Their experienced representatives are the most knowledgeable experts that you will find in the force measurement industry. We recommend that you consult these capable specialists for all of your measuring needs.

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