

Ron 2150 Shackle Type Dynamometer with 2"/50mm Attachable Display

TECHNICAL SPECIFICATIONS



Safety Factor: 5:1.

Proof Load: Each system proof-loaded to 200% of capacity (certified) up to a test force of 400t.

Accuracy: $\pm 0.1\%$ of full range.

Durability: Robust indicator with extruded aluminum housing, polyurethane coated.

Load Cell Material: Made of high-strength, aerospace quality, alloy steel, polyurethane coated.

Display: 5/6 digits, 2" (50mm) liquid crystal display with two overload warning levels, max. value (peak hold), low battery, tare state (gross or net), measuring unit, sleep state, programming instructions. Standard number of measurements per second: 1. Standard display update rate per second: 1.

Sampling Rate: 200 per second.

Functions: Zero. Tare. Battery charge level. Low battery warning. Max. (peak hold). Two-level overload visual alarms. User calibration. Sleep mode after 60 sec. in zero value, awakes automatically when loaded.

Units: User selectable units (metric tons, short tons (2000 lbs), kgs, lbs (lbs x 10 for capacities of 50t and above), newtons, deca newtons, k. newtons).

Indicator Material: Extruded aluminum.

Power: 3 x AA 1.5 Volt Alkaline disposable batteries, with battery life indication. Batteries rated 3AH will function up to 2000 hours (three months of continuous working). Occasional use will extend the life of the batteries up to several years.

Adding certain options will shorten the life of the batteries. All settings retained at power off.

Calibration: User calibration. Initial factory calibration, fully traceable (certified).

Temperature Range:

Load cell: -15°F to $+175^{\circ}\text{F}$ (-25°C to $+80^{\circ}\text{C}$).

Indicator: -4°F to $+158^{\circ}\text{F}$ (-20°C to $+70^{\circ}\text{C}$).

Environmental: Weather proof NEMA4, IP 65.



Shackles not included

Cat no.	Full range		Resolution		Load Cell weight		Cable length		H1 (max.)		H2 (max.)		B (max.)		Ø D1 (max.)		Ø D2 (min.)		Matching anchor shackle size*		
	tons	kgs	lbs	kgs	lbs	m	ft	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	inch			
S-005	0.5	0.2	0.5	0.3	0.7	5	16	125	4.9	92	3.7	16	0.7	31	1.3	17	0.66	1/2	7/16	3/8	
S-01	1	0.5	1	0.3	0.7	5	16	125	4.9	92	3.7	16	0.7	31	1.3	17	0.66	1/2	7/16	3/8	
S-02	2	1	2	0.3	0.7	5	16	125	4.9	92	3.7	16	0.7	31	1.3	17	0.66	1/2	7/16	3/8	
S-03	3	1	2	0.3	0.7	5	16	137	5.4	100	4	19	0.75	38	1.5	21	0.82	5/8	1/2		
S-05	5	2	5	0.5	1	5	16	147	5.8	105	4.2	26	1	43	1.7	23	0.9	3/4	5/8		
S-10	10	5	10	1.4	3.1	5	16	195	7.7	131	5.2	41	1.6	61	2.4	36	1.4	1 1/4	1 1/8	1	
S-12	12.5	5	10	1.4	3.1	5	16	195	7.7	131	5.2	41	1.6	61	2.4	36	1.4	1 1/4	1 1/8	1	
S-15	15	5	10	2.5	5.5	5	16	220	8.7	141	5.6	45	1.7	74	3	40	1.5	1 3/8	1 1/4	1 1/8	
S-20	20	10	20	2.5	5.5	5	16	220	8.7	141	5.6	45	1.7	74	3	40	1.5	1 3/8			
S-25	25	10	20	3.7	8	5	16	240	9.4	150	5.9	58	2.3	87	3.4	44	1.7	1 1/2			
S-30	30	10	20	3.7	8	5	16	240	9.4	150	5.9	58	2.3	87	3.4	44	1.7	1 1/2			
S-40	40	20	50	8	17	10	32	320	12.6	195	7.7	71	2.8	115	4.5	60	2.3	2	1 3/4		
S-50	50	20	50	8	17	10	32	320	12.6	195	7.7	71	2.8	115	4.5	60	2.3	2			
S-80	80	50	100	18	40	10	32	405	16.9	255	10	97	3.8	145	5.7	76	3	2 1/2			
S-100	100	50	100	28	60	15	49	450	17.7	275	10.8	121	4.8	165	6.5	81	3.18		CROSBY No. 2160	125t	
S-125	125	50	100	28	60	15	49	450	17.7	275	10.8	121	4.8	165	6.5	81	3.18		CROSBY No. 2160	125t	
S-200	200	100	200	57	121	15	49	575	22.6	350	13.8	145	5.7	210	8.3	106	4.2		CROSBY No. 2160	200t	
S-250	250	100	200	106	225	15	49	800	31.5	490	19.3	178	7.0	260	10.2	138	5.4		CROSBY No. 2140	250t or No. 2160	300t
S-300	300	100	200	106	225	15	49	800	31.5	490	19.3	178	7.0	260	10.2	138	5.4		CROSBY No. 2160	300t	

- > USE SHACKLES WITH S.W.L. (SAFE WORKING LOAD) EQUAL TO, OR GREATER THAN SYSTEM'S FULL RANGE.
- > The company reserves the right to make changes without notice.

OPTIONS



- > 1 or 2 user-adjustable set points
- > Additional 0.5"/12mm LCD display with cable connection to indicator or wireless
- > Additional 1"/25mm LCD display with cable connection to indicator or wireless
- > Additional 2"/50mm LCD display with cable connection to indicator or wireless
- > Additional 5"/125mm LED display with cable connection to indicator or wireless
- > Additional extension cable in 15ft/5m increments
- > Analog output: 0 to 3V
- > Analog output: 4 to 20 mA
- > Robust sealed carrying case: Pelican or equivalent.
- > Dampened display for unstable load
- > Data logger - manual or automatic - up to 600 measurements
- > Data logger - manual or automatic - up to 3,000 measurements
- > Data logger - manual or automatic - up to 6,000 measurements
- > Data logger - manual or automatic - up to 10,000 measurements
- > IP 67 load cell with special off-shore capability
- > Longer extension cable in 15ft/5m increments
- > Number of measurements per second: 1, 2, 3, factory set
- > Real-time clock: date, hour, minute, second adds time stamp to RS-232 output
- > Rechargeable batteries with an external charger
- > Rope falls multiplier, user selectable
- > RS-232 - continuous or on demand data output, user-selectable
- > RS-485 - continuous or on demand data output, user-selectable
- > Totalizer
- > Totalizer with Data Logging
- > Wireless communication to additional display or PC
- > USB