

## Ron StageMaster™ 5000 G4 Wired - RSM 5000 G4

Fatigue rated - ideal for permanent or long term installations

### TECHNICAL SPECIFICATIONS



**Communication:** RS-485. The load cells are connected to small junction boxes and the junction boxes are connected to a single main wire descending from the truss to the Central Receiver.

**Safety Factor:** 5:1 and 10:1 standard. Higher safety factors are available.

**Fatigue rated:** All Eilon Engineering load cells are Fatigue Rated according to ASME BTH-1 and IEC 61508. Fatigue Rated means an unlimited number of load cycles (Provided capacity is not exceeded).

**Proof load:** 200%.

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

**Capacities:** 2t standard capacity with range of capacities from 0.25t to 5t and higher (up to 300t).

**Display:** Using a laptop or PC, the operator can monitor and control the loads of up to 200 load cells per monitoring station simultaneously, having on one single screen all the relevant information derived from the load cells: Sum (group sum and total structure sum), Max, Tare, Zero, Group (LC), Overload detection,

Stage-plan layout etc.

**Functions:** Sum, Max, Tare, Zero, Group (LC), Overload detection and alert (visual and audible), Reports data base, User calibration, Group functions (Sum, Max, Zero, Tare, Overload and customized overload detection), Plan/layout archiving.

**Additional features:** Tablet and smart phone compatible.

**Units:** Selectable: Tons, Kgs, Lbs.

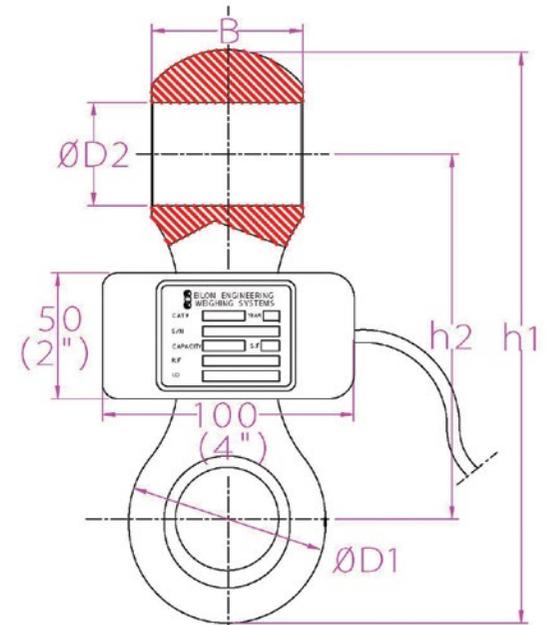
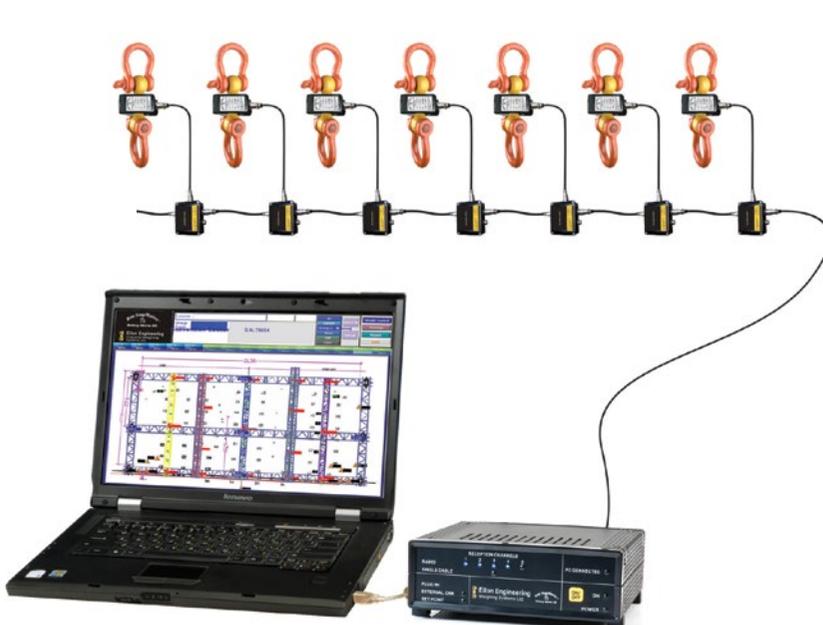
**Load Cell Material:** Made of high-strength, aerospace quality low alloy steel, polyurethane coated.

**Power:** External power supply provided with the system.

**Calibration:** User calibration. Initial factory calibration, certified and fully traceable to NIST.

**Temperature Range:** Load cell:  $-15^{\circ}\text{F}$  to  $+175^{\circ}\text{F}$  /  $-25^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$

**Environmental:** Weatherproof, Nema 4, IP 65. Higher sealing levels available.



Cat no.	Full range	Safety factor	Resolution		Load Cell weight		H1 (max.)		H2 (max.)		B (max.)		L(max.)		Ø D1 (max.)		Ø D2 (min.)		Matching anchor shackle size*
	tons		kgs	lbs	kgs	lbs	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	inch
S-0025-5	0.25	5	0.5	1	1.1	2.5	140	5.5	100	4	19	0.75	110	4.4	38	1.5	21	0.82	5/8, 1/2
S-0025-10	0.25	10	0.5	1	1.1	2.5	140	5.5	100	4	19	0.75	110	4.4	38	1.5	21	0.82	5/8, 1/2
S-005-5	0.5	5	0.5	1	1.1	2.5	140	5.5	100	4	19	0.75	110	4.4	38	1.5	21	0.82	5/8, 1/2
S-005-10	0.5	10	0.5	1	1.1	2.5	140	5.5	100	4	19	0.75	110	4.4	38	1.5	21	0.82	5/8, 1/2
S-01-5	1	5	1	2	1.1	2.5	140	5.5	100	4	19	0.75	110	4.4	38	1.5	21	0.82	5/8, 1/2
S-01-10	1	10	1	2	1.1	2.5	140	5.5	100	4	19	0.75	110	4.4	38	1.5	21	0.82	5/8, 1/2
S-015-5	1.5	5	2	5	1.1	2.5	140	5.5	100	4	19	0.75	110	4.4	38	1.5	21	0.82	5/8, 1/2
S-015-10	1.5	10	2	5	1.1	2.5	140	5.5	100	4	19	0.75	110	4.4	38	1.5	21	0.82	5/8, 1/2
S-02-5	2	5	2	5	1.1	2.5	140	5.5	100	4	19	0.75	110	4.4	38	1.5	21	0.82	5/8, 1/2
S-02-10	2	10	2	5	1.2	2.7	150	5.9	105	4.2	26	1	115	4.7	45	1.75	23	0.9	3/4, 5/8
S-025-5	2.5	5	2	5	1.1	2.5	140	5.5	100	4	19	0.75	110	4.4	38	1.5	21	0.82	5/8, 1/2
S-025-10	2.5	10	2	5	1.2	2.7	150	5.9	105	4.2	26	1	115	4.7	45	1.75	23	0.9	3/4, 5/8
S-03-5	3	5	2	5	1.1	2.5	140	5.5	100	4	19	0.75	110	4.4	38	1.5	21	0.82	5/8, 1/2
S-03-10	3	10	5	10	2	4.5	200	7.9	135	5.3	41	1.6	120	4.8	63	2.5	36	1.4	11/4, 11/8, 1
S-04-5	4	5	2	5	1.2	2.7	150	5.9	105	4.2	26	1	115	4.7	45	1.75	23	0.9	3/4, 5/8
S-04-10	4	10	5	10	2	4.5	200	7.9	135	5.3	41	1.6	120	4.8	63	2.5	36	1.4	11/4, 11/8, 1
S-05-5	5	5	5	10	1.2	2.7	150	5.9	105	4.2	26	1	115	4.7	45	1.75	23	0.9	3/4, 5/8
S-05-10	5	10	5	10	2	4.5	200	7.9	135	5.3	41	1.6	120	4.8	63	2.5	36	1.4	11/4, 11/8, 1
S-06-5	6	5	5	10	2	4.5	200	7.9	135	5.3	41	1.6	120	4.8	63	2.5	36	1.4	11/4, 11/8, 1
S-06-10	6	10	5	10	2	4.5	200	7.9	135	5.3	41	1.6	120	4.8	63	2.5	36	1.4	11/4, 11/8, 1

> 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



- > Set point, for integration of RSM system with any controller. Activates E-stop and/or audio visual alarm in case of overloads or underloads.
- > Real time cellular SMS alert on overload occurrence.
- > Slave and master CRRs: For increased range, harsh conditions, and the ability to monitor several halls in one control room.
- > Group screen view: For viewing individual group rigging plans, each with a specific background (included in orders of 50 load cells and up).