

Motor Truck Scale Electronic Conversion Kit

Rice Lake Weighing Systems



Complete Kit Includes

- 1 JB8SP NEMA Type 4X signal-trim junction box with individual and section trimming capability (6 and 8-mount kits) or 1 JB4SP NEMA Type 4X signal-trim junction box (4-mount kits)
- 1 UJB3T6 DC transient protector
- 4, 6 or 8 Translink mounting assemblies with RL75040 or RL75223 load cells
- 100 ft of hostile environment EL147HE SURVIVOR® load cell cable

Applications

- Updating existing mechanical motor truck scales
- Replacing unsatisfactory electronic motor truck scales
- Conversion of heavy-capacity scales into fully electronic vehicle scales where the existing scale cannot be removed

Standard Features

- Cost- and time-efficient installation; no need to remove weighbridge
- Converts existing scale capacities of 40,000 lb-300,000 lb (18,143.7 kg-90,718.7 kg)
- 4, 6 or 8-mount kits for 2, 3 or 4-section conversions
- Translink™ heavy-capacity mounting assemblies
- Free movement in all directions in the horizontal plane with virtually no friction
- Completely self-centering
- Requires no check rods
- Capacity per mount: 25,000 lb-100,000 lb (11,339.8 kg-45,359.4 kg)
- Utilizes cells with 3 mV/V output

Optional Features

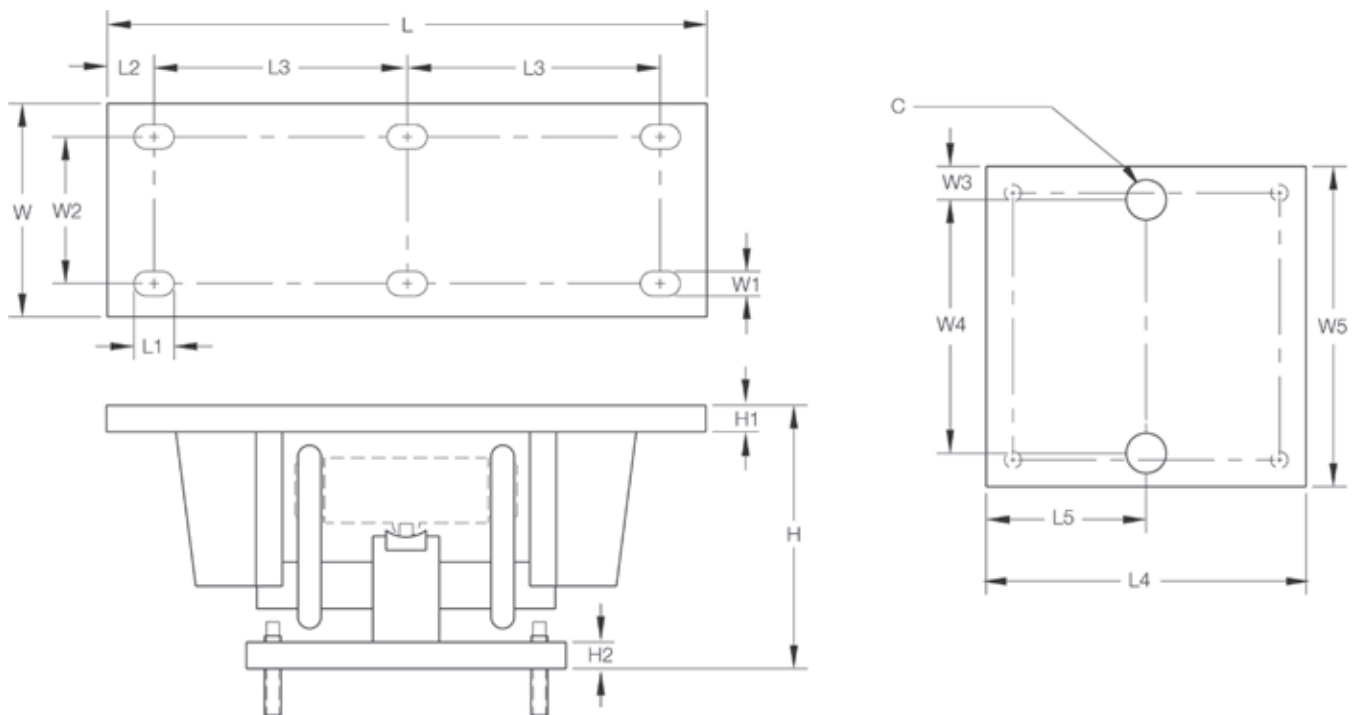
- Custom heights available; consult
- RLWS RL75223 welded-seal, VPG® Sensortronics 65040A or RTI 5223 load cells

Picture is a representation of actual product

Full electronic performance can be achieved at a fraction of the cost of a new scale and pit. The Motor Truck Scale (MTS) Electronic conversion kit is designed to transform an existing scale pit and weighbridge into a fully electronic vehicle scale. Designed for quick installation without removing the platform or reconfiguring the pit, the conversion kit can often be installed in a matter of days, minimizing downtime. This ease of installation is important when considering installations where it is not feasible to completely remove the existing scale.

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Dimensions

RATED CAPACITY	C	H*	H1	H2	L	L1	L2	L3	L4	L5	W	W1	W2	W3	W4**	W5
lb/inches																
50,000-100,000 (RL75223)	1.50	12.93	1.00	1.00	22.50	1.50	1.75	9.50	11.75	5.88	7.75	0.91	5.25	1.25	9.25	11.75
25,000-40,000 (RL75040A)	1.50	9.88	1.00	1.00	18.50	1.50	1.75	7.50	11.75	5.88	7.75	0.91	5.25	1.25	9.25	11.75
50,000-75,000 (RL75040A)	1.50	12.82	1.00	1.00	22.50	1.50	1.75	9.50	11.75	5.88	7.75	0.91	5.25	1.25	9.25	11.75
kg/mm																
22,679.6-45,400.00 (RL75223)	38.1	328.4	25.4	25.4	571.5	37.5	44.5	241.3	298.5	149.4	196.9	23.1	133.4	31.8	235.0	298.45
11,339.8-18,143.7 (RL75040A)	38.1	251.0	25.4	25.4	469.9	37.5	44.5	190.5	298.5	149.4	196.9	23.1	133.4	31.8	235.0	298.45
22,679.6-34,019.4 (RL75040A)	38.1	325.6	25.4	25.4	571.5	37.5	44.5	241.3	298.5	149.4	196.9	23.1	133.4	31.8	235.0	298.45

*Custom heights available; consult

**Custom hole spacing for existing bolt patterns is available; consult

Order Information

SCALE SUGGESTED CAPACITY	LOAD CELL CAPACITY (PER MODULE)	PART #	PRICE	LOAD CELL USED IN KIT		
4-Module Kit (Includes Weigh Modules Load Cells, Junction Box, and Transient Protection)						
40,000 lb	(18,143.7 kg)	25,000 lb	(11,339.8 kg)	30513	\$5,525.00	RL75040A
60,000 lb	(27,215.6 kg)	40,000 lb	(18,143.7 kg)	30514	6,025.00	RL75040A
6-Module Kit (Includes Weigh Modules Load Cells, Junction Box and Transient Protection)						
100,000 lb	(45,359.4 kg)	50,000 lb	(22,679.6 kg)	30515	9,495.00	RL75040A
120,000 lb	(54,431.2 kg)	60,000 lb	(27,215.6 kg)	30516	9,495.00	RL75040A
8-Module Kit (Includes Weigh Modules Load Cells, Junction Box and Transient Protection)						
120,000 lb	(54,431.2 kg)	60,000 lb	(27,215.6 kg)	30517	12,225.00	RL75040A
200,000 lb	(90,718.7 kg)	75,000 lb	(34,019.4 kg)	30518	12,225.00	RL75040A
300,000 lb	SD (136,078.1 kg)	100,000 lb	(45,359.4 kg)	30512	14,950.00	RL75223

SD refers to super duty, 100,000 lb (45,359.4 kg) capacity welded-seal load cells