

SURVIVOR® PT-SV

Standard Duty, Pit-Type, Concrete Deck

TRUCK SCALES



Due to the variety of configurations, please consult the factory to discuss application requirements and for complete specifications and price quotations.

Approvals



Measurement
Canada
Approved

Package includes: Weighbridge steel; weighbridge fasteners; load cells with conduit fitting; load cell mounts with leveling bolts and anchor bolts; copper transient bypass cables at each load cell; poly-coated flexible steel conduit from load cell to metal conduit; conduit fittings from poly-coated flexible steel to metal conduit; conduit for each load cell cable; PVC junction box(es); summing board; homerun cable to indicator (60 ft long); print packages including deck assembly, foundation drawing and rebar placement for concrete deck; detailed installation manual.

Package does not include:

Corrugated sheeting for deck; rebar for concrete deck; pit coping; rebar and mesh for foundation; concrete; indicator; printer; freight charges including material handling, shipping charges, transportation permits and fees, escort(s) charge, and insurance transportation fees.

Standard Features

- One 2 × 2 ft manhole opening
- Longitudinal I-beam construction
- Integrated load cell pockets
- Self-seating, P-bracket connection between modules
- G-force mount assemblies return the scale to center without check rods or bumper bolts
- Cables completely encased in rodent-proof conduit
- Thorough finishing process includes cleaning of steel before and after welding, followed by either high solids urethane liquid paint or durable powder paint

Options

- Dolly down plate
- iQUBE² digital diagnostic junction box
- iQUBE² and 1280 Enterprise Series programmable weight indicator bundle
- iQUBE² and 920i[®] Series programmable weight indicator bundle

Specifications

Load Cells:

Rice Lake RL75058-LP alloy steel,
Double-ended beam
75,000 lb capacity

Mount Assemblies:

G-force self-checking mounting system

Junction Box:

JB8SPT Tuffseal[®]
Polycarbonate NEMA Type 4X enclosure
with overlapping solid cover, stainless steel screws

Platform Size:

10 ft to 90 ft length
10 ft or 11 ft

Scale Profile:

42-1/2 in, grouted height
(custom profiles available)

Deck Thickness:

6 in
(other sizes available)

Full Scale Capacity:

Up to 120,000 lb

Concentrated Load Capacity (CLC):

70,000 lb

Dual Tandem Axle (DTA):

70,000 lb

Approvals:

NTEP CC 98-011, Class IIII
Measurement Canada AM-5413

Warranty:

Weighbridge: 5-year or 12-year limited
Parts: 5-year or 12-year limited,
including lightning protection

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Length/Capacity

| Length | Capacity | Est. Weight | Number of Modules | Number of Load Cells | CLC | Part # | Model | Price |
|--|----------|-------------|-------------------|----------------------|---------|---------------|--------------|---------|
| PT-SV - Concrete Deck - 10 Foot Width | | | | | | | | |
| 10ft | 60 tons | 3,050lb | 1 | 4 | 35 tons | 214434 | SR1010-PC-70 | Consult |
| 20ft | 60 tons | 4,600lb | 1 | 4 | 35 tons | 213767 | SR2010-PC-70 | Consult |
| 30ft | 60 tons | 6,300lb | 2 | 6 | 35 tons | 214433 | SR3010-PC-70 | Consult |
| 40ft | 60 tons | 8,200lb | 2 | 6 | 35 tons | 213779 | SR4010-PC-70 | Consult |
| 50ft | 60 tons | 9,800lb | 2 | 6 | 35 tons | 214431 | SR5010-PC-70 | Consult |
| 60ft | 60 tons | 11,600lb | 3 | 8 | 35 tons | 214430 | SR6010-PC-70 | Consult |
| 70ft | 60 tons | 12,000lb | 3 | 8 | 35 tons | 213697 | SR7010-PC-70 | Consult |
| 75ft | 60 tons | 13,600lb | 3 | 8 | 35 tons | 214435 | SR7510-PC-70 | Consult |
| 80ft | 60 tons | 15,300lb | 4 | 10 | 35 tons | 214429 | SR8010-PC-70 | Consult |
| 90ft | 60 tons | 17,000lb | 4 | 10 | 35 tons | 213732 | SR9010-PC-70 | Consult |
| PT-SV - Concrete Deck - 11 Foot Width | | | | | | | | |
| 10ft | 60 tons | 4,350lb | 1 | 4 | 35 tons | 214443 | SR1011-PC-70 | Consult |
| 20ft | 60 tons | 5,900lb | 1 | 4 | 35 tons | 214442 | SR2011-PC-70 | Consult |
| 30ft | 60 tons | 7,600lb | 2 | 6 | 35 tons | 214441 | SR4011-PC-70 | Consult |
| 40ft | 60 tons | 9,500lb | 2 | 6 | 35 tons | 214440 | SR4011-PC-70 | Consult |
| 50ft | 60 tons | 11,100lb | 2 | 6 | 35 tons | 214439 | SR5011-PC-70 | Consult |
| 60ft | 60 tons | 12,900lb | 3 | 8 | 35 tons | 214438 | SR6011-PC-70 | Consult |
| 70ft | 60 tons | 13,300lb | 3 | 8 | 35 tons | 213884 | SR7011-PC-70 | Consult |
| 75ft | 60 tons | 14,900lb | 3 | 8 | 35 tons | 213579 | SR7511-PC-70 | Consult |
| 80ft | 60 tons | 16,600lb | 4 | 10 | 35 tons | 214437 | SR8011-PC-70 | Consult |
| 90ft | 60 tons | 18,300lb | 4 | 10 | 35 tons | 214436 | SR9011-PC-70 | Consult |

Pit scales are designed to fit inside correctly-sized pits. Example: 70 x 10ft scale is actually 69ft 10.5in L x 9ft 10.5in W

Part Number/Price

| Part # | Description | Price |
|--|---|---------|
| Foundation Components | | |
| Varied | Pit coping (specify length) | Consult |
| Scale Components | | |
| Varied | Rebar | Consult |
| 53782 | Corrugated sheeting, 26 gauge, galvanized 30 × 144 in | Consult |
| 74277 | Corrugated sheeting, 26 gauge, galvanized 36 × 120 in | Consult |
| 18799 | T-grip molding | Consult |
| Varied | Manhole option | Consult |
| Varied | Slotted manhole option | Consult |
| Stainless Steel Welded-Seal Load Cells* | | |
| SSH-4 | 4 cell system | Consult |
| SSH-6 | 6 cell system | Consult |
| SSH-8 | 8 cell system | Consult |
| SSH-10 | 10 cell system | Consult |
| SSH-12 | 12 cell system | Consult |
| SSH-14 | 14 cell system (multi-axle system) | Consult |

* Replaces tool steel load cells with welded-seal stainless steel load cells

| Spare Parts | | |
|--------------------|---|---------|
| 197781 | RL75058-LP, double-ended beam load cell, 75,000 lb capacity, NTEP Certified | Consult |
| 197782 | RL75058-LP, double-ended beam load cell, 60 ft stainless steel overbraid cable, 75,000 lb, NTEP Certified | Consult |
| 197780 | RL75058-LP, double-ended beam load cell, 100 ft cable, 75,000 lb, NTEP Certified | Consult |
| 91783 | JB8SPT signal trim, 8-channel with expansion and transient protection | Consult |
| 17779 | 14 in tinned ground strap | Consult |
| 45716 | 58.75 ft, 6 wire homerun cable | Consult |
| 50101 | Rocker truck scale link - standard | Consult |
| 107527 | Rocker truck scale link - tapered, self centering | Consult |
| 163280 | Shim kit consisting of 1/16 in, 1/8 in and 1/4 in for 7 × 11 upper plate for one section | Consult |
| 61148 | 75,000 lb MVS mount base weldment | Consult |
| 70177 | Standard chair upper stand assembly | Consult |
| 107517 | Tapered chair upper stand assembly | Consult |
| 21134 | UJB3T6 load cell transient protection | Consult |

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Rebar & Concrete Requirements

| Length | Total Feet | Total Pounds | Concrete Requirements | Corrugated Sheeting |
|--|------------|--------------|-----------------------|---------------------|
| SURVIVOR PT-SV Series - Concrete Deck - 10 Foot Width | | | | |
| 10 ft | 357 ft | 372 lb | 2.2 yd | 66 sq ft |
| 20 ft | 707 ft | 737 lb | 4.4 yd | 143 sq ft |
| 24 ft | 864 ft | 901 lb | 5.1 yd | 165 sq ft |
| 40 ft | 1,486 ft | 1,549 lb | 8.8 yd | 294 sq ft |
| 47 ft | 1,705 ft | 1,778 lb | 10.3 yd | 351 sq ft |
| 60 ft | 2,186 ft | 2,280 lb | 13.2 yd | 440 sq ft |
| 70 ft | 2,575 ft | 2,686 lb | 15.3 yd | 514 sq ft |
| 75 ft | 2,750 ft | 2,867 lb | 16.5 yd | 552 sq ft |
| 80 ft | 2,925 ft | 3,051 lb | 17.6 yd | 590 sq ft |
| 90 ft | 3,420 ft | 3,567 lb | 20.4 yd | 686 sq ft |
| SURVIVOR PT-SV Series - Concrete Deck - 11 Foot Width | | | | |
| 10 ft | 398 ft | 415 lb | 2.4 yd | 87 sq ft |
| 20 ft | 788 ft | 821 lb | 4.9 yd | 190 sq ft |
| 24 ft | 972 ft | 1,014 lb | 5.7 yd | 220 sq ft |
| 40 ft | 1,611 ft | 1,681 lb | 9.8 yd | 392 sq ft |
| 47 ft | 1,900 ft | 1,981 lb | 11.4 yd | 468 sq ft |
| 60 ft | 2,435 ft | 2,540 lb | 14.7 yd | 587 sq ft |
| 70 ft | 2,869 ft | 2,992 lb | 17.1 yd | 685 sq ft |
| 75 ft | 3,064 ft | 3,249 lb | 18.4 yd | 744 sq ft |
| 80 ft | 3,259 ft | 3,500 lb | 19.6 yd | 800 sq ft |
| 90 ft | 3,810 ft | 3,973 lb | 22.8 yd | 915 sq ft |

Deck Rebar - #5 Grade 60 unless otherwise specified

Rebar calculated using 20ft lengths (if additional splices required, add 20in or 1.11lbs of rebar per splice)

Rebar calculations based on spacing of 12in O/C in both directions

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