

SURVIVOR® PT

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; FRP 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

- Built for pit foundations
- One 2 x 2 ft manhole opening
- Pit access to load cells
- 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

- Steel deck
- 20 lb division
- 18-inch main beams for increased pit clearance
- Surface mounted junction box
- 3/8, 1/2, or 1-inch or 2-inch steel deck plate upgrade
- Grain dump
- Stainless steel load cells
- Tapered links and radius blocks
- Stainless steel suspension hardware
- Galvanized weighbridge and suspension hardware
- Manhole integrated ladder
- Top access junction box
- Corrosion-resistant coating
- 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 to 160 ft length
10 ft, 11 ft, 12 ft width,
NTEP Certified up to 16.5 ft

Scale Profile:

42 in

Deck Thickness:

6 in

Full Scale Capacity:

Up to 270,000 lb

Concentrated Load Capacity (CLC):

120,000 lb

Dual Tandem Axle (DTA):

120,000 lb

Warranty:

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

Approvals:

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

Length/Capacity

Length	Capacity	Est. Weight	Number of Modules	Number of Load Cells	CLC	Part #	Model	Price
PT - Concrete Deck - 10 Foot Width								
10ft	60 tons	4,900 lb	1	4	60 tons	51341	SR1010-PC-60	Consult
20ft	60 tons	7,800 lb	1	4	60 tons	51342	SR2010-PC-60	Consult
25ft	60 tons	9,100 lb	1	4	60 tons	72953	SR2510-PC-60	Consult
40ft	100 tons	14,700 lb	2	6	60 tons	51344	SR4010-PC-100	Consult
50ft	100 tons	17,800 lb	2	6	60 tons	72955	SR5010-PC-100	Consult
60ft	100 tons	21,800 lb	3	8	60 tons	51346	SR6010-PC-100	Consult
70ft	100 tons	25,400 lb	3	8	60 tons	115928	SR7010-PC-100	Consult
80ft	100 tons	28,800 lb	4	10	60 tons	51348	SR8010-PC-100	Consult
90ft	100 tons	33,000 lb	4	10	60 tons	72956	SR9010-PC-100	Consult
100ft	100 tons	36,000 lb	5	12	60 tons	51350	SR10010-PC-100	Consult
110ft	100 tons	39,600 lb	5	12	60 tons	152175	SR11010-PC-100	Consult
120ft	100 tons	42,700 lb	5	14	60 tons	72957	SR12010-PC-100	Consult
130ft	100 tons	46,300 lb	6	14	60 tons	152176	SR13010-PC-100	Consult
140ft	100 tons	49,800 lb	6	14	60 tons	152177	SR14010-PC-100	Consult
150ft	100 tons	53,400 lb	7	16	60 tons	152178	SR15010-PC-100	Consult
160ft	100 tons	57,000 lb	8	18	60 tons	152179	SR16010-PC-100	Consult
PT - Concrete Deck - 11 Foot Width								
10ft	60 tons	5,100 lb	1	4	60 tons	51352	SR1011-PC-60	Consult
20ft	60 tons	8,100 lb	1	4	60 tons	51353	SR2011-PC-60	Consult
25ft	60 tons	9,300 lb	1	4	60 tons	72958	SR2511-PC-60	Consult
30ft	60 tons	10,400 lb	1	4	60 tons	72959	SR3011-PC-60	Consult
40ft	100 tons	15,100 lb	2	6	60 tons	51355	SR4011-PC-100	Consult
50ft	100 tons	18,300 lb	2	6	60 tons	72960	SR5011-PC-100	Consult
60ft	100 tons	22,400 lb	3	8	60 tons	51357	SR6011-PC-100	Consult
70ft	100 tons	26,300 lb	3	8	60 tons	51358	SR7011-PC-100	Consult
80ft	100 tons	29,800 lb	4	10	60 tons	51359	SR8011-PC-100	Consult
90ft	100 tons	35,000 lb	4	10	60 tons	72961	SR9011-PC-100	Consult
100ft	100 tons	36,900 lb	5	12	60 tons	51361	SR10011-PC-100	Consult
110ft	100 tons	40,600 lb	5	12	60 tons	152180	SR11011-PC-100	Consult
120ft	100 tons	44,000 lb	5	14	60 tons	72962	SR12011-PC-100	Consult
130ft	100 tons	47,700 lb	6	14	60 tons	152182	SR13011-PC-100	Consult
140ft	100 tons	51,400 lb	6	14	60 tons	152183	SR14011-PC-100	Consult
150ft	100 tons	55,000 lb	7	16	60 tons	152184	SR15011-PC-100	Consult
160ft	100 tons	58,700 lb	8	18	60 tons	152185	SR16011-PC-100	Consult
PT - Concrete Deck - 12 Foot Width								
10ft	60 tons	5,400 lb	1	4	60 tons	51363	SR1012-PC-60	Consult
20ft	60 tons	8,400 lb	1	4	60 tons	51364	SR2012-PC-60	Consult
25ft	60 tons	9,900 lb	1	4	60 tons	72963	SR2512-PC-60	Consult
30ft	60 tons	11,000 lb	1	4	60 tons	72964	SR3012-PC-60	Consult
40ft	100 tons	15,900 lb	2	6	60 tons	51366	SR4012-PC-100	Consult
50ft	100 tons	19,200 lb	2	6	60 tons	72965	SR5012-PC-100	Consult
60ft	100 tons	23,500 lb	3	8	60 tons	51368	SR6012-PC-100	Consult
70ft	100 tons	27,600 lb	3	8	60 tons	51369	SR7012-PC-100	Consult
80ft	100 tons	31,100 lb	4	10	60 tons	51370	SR8012-PC-100	Consult
90ft	100 tons	35,800 lb	4	10	60 tons	72966	SR9012-PC-100	Consult
100ft	100 tons	38,700 lb	5	12	60 tons	51372	SR10012-PC-100	Consult
110ft	100 tons	42,600 lb	5	12	60 tons	152186	SR11012-PC-100	Consult
120ft	100 tons	46,200 lb	5	14	60 tons	176677	SR12012-PC-100	Consult
130ft	100 tons	50,100 lb	6	14	60 tons	152187	SR13012-PC-100	Consult
140ft	100 tons	53,900 lb	6	14	60 tons	152188	SR14012-PC-100	Consult
150ft	100 tons	57,800 lb	7	16	60 tons	152189	SR15012-PC-100	Consult
160ft	100 tons	61,600 lb	8	18	60 tons	152190	SR16012-PC-100	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

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SURVIVOR® PT

Pit-Type, Concrete Deck

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
<i>* Replaces tool steel load cells with welded-seal stainless steel load cells</i>		
Spare Parts		
197781	RL75058-LP, double-ended beam load cell, 75,000 lb capacity, NTEP Certified	Consult
197782	RL75058-LP, double-ended beam, 60 ft stainless steel overbraid cable, 75,000 lb, NTEP Certified	Consult
197780	RL75058-LP, double-ended beam, 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

TRUCK SCALES

Rebar & Concrete Requirements

Length	Total Feet	Total Pounds	Concrete Requirements	Corrugated Sheeting
SURVIVOR PT 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
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
100 ft	3,665 ft	3,822 lb	22.0 yd	741 sq ft
110 ft	4,032 ft	4,205 lb	24.5 yd	816 sq ft
120 ft	4,400 ft	4,650 lb	26.5 yd	890 sq ft
130 ft	4,770 ft	5,038 lb	29.0 yd	965 sq ft
140 ft	5,135 ft	5,425 lb	31.0 yd	1,039 sq ft
150 ft	5,500 ft	5,813 lb	33.2 yd	1,113 sq ft
160 ft	5,870 ft	6,200 lb	35.5 yd	1,187 sq ft
SURVIVOR PT 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
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
100 ft	4,083 ft	4,258 lb	24.5 yd	988 sq ft
110 ft	4,492 ft	4,684 lb	27.0 yd	1,087 sq ft
120 ft	4,840 ft	5,115 lb	29.2 yd	1,150 sq ft
130 ft	5,244 ft	5,542 lb	32.0 yd	1,246 sq ft
140 ft	5,647 ft	5,968 lb	34.1 yd	1,342 sq ft
150 ft	6,050 ft	6,394 lb	36.5 yd	1,438 sq ft
160 ft	6,454 ft	6,820 lb	39.0 yd	1,534 sq ft
SURVIVOR PT Series - Concrete Deck - 12 Foot Width				
10 ft	439 ft	457 lb	2.7 yd	95 sq ft
20 ft	869 ft	906 lb	5.4 yd	210 sq ft
24 ft	1,060 ft	1,106 lb	6.3 yd	240 sq ft
40 ft	1,776 ft	1,853 lb	10.8 yd	430 sq ft
47 ft	2,094 ft	2,184 lb	12.6 yd	510 sq ft
60 ft	2,684 ft	2,800 lb	16.2 yd	640 sq ft
70 ft	3,162 ft	3,298 lb	18.9 yd	750 sq ft
80 ft	3,592 ft	3,747 lb	21.6 yd	860 sq ft
90 ft	4,199 ft	4,380 lb	25.2 yd	1,000 sq ft
100 ft	4,500 ft	4,694 lb	27.0 yd	1,080 sq ft
110 ft	4,950 ft	5,164 lb	29.7 yd	1,188 sq ft
120 ft	5,280 ft	5,580 lb	32.0 yd	1,260 sq ft
130 ft	5,720 ft	6,045 lb	34.7 yd	1,365 sq ft
140 ft	6,160 ft	6,510 lb	37.4 yd	1,470 sq ft
150 ft	6,600 ft	6,975 lb	40.0 yd	1,575 sq ft
160 ft	7,040 ft	7,440 lb	42.7 yd	1,680 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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