

# WIRELESS AXLE PAD WITH MASSLOAD ADVANCED WEIGH SCALE SOFTWARE



Massload Advanced Weighing System

SCALES		Add New Channel		Remove Last Channel	
	 Channel 1 % Zero 550	 Channel 2 % Zero 550	SCALE #1	TOTAL WEIGHT	2,200 lbs
	 Channel 3 % Zero 550	 Channel 4 % Zero 550	SCALE #2	TOTAL WEIGHT	2,200 lbs
	 Channel 5 % Zero 550	 Channel 6 % Zero 550	SCALE #3	TOTAL WEIGHT	2,200 lbs
	ALL SCALES TOTAL WEIGHT		6,600 lbs		
Waiting for next axle weight data...					
HOME		SCALES		DATA SETTINGS	

# System Components



Option: Aurora 45SL display



Option: Serial Printer





# Axle Pad Specification and Features

- Available size: 7ft/84" ,12ft/144", 14ft/168"
  - 7ft - accommodate tandem axle
  - 12ft - accommodate regular tridem axle group
  - 14ft - accommodate super B tridem axle group
- Available capacity: 60K lbs (7 ft) and 80K lbs (12ft and 14ft)
- Accuracy: 1% or better of gross vehicle weight
- Operating temperature range: -20°C to 55°C
- Compensated temperature range: -10°C to 40°C
- AC Powered 100-240 VAC 50/60 Hz
- Graduation size: 20 lbs
- Dimension: 84" (L) x 30" (W) x 6" (H)
  - 144" (L) x 30" (W) x 6" (H)
  - 168" (L) x 30" (W) x 6" (H)
- Protection: IP 67
- Warranty: 10yrs on the axle pad decks
  - 5 yrs on load cells
  - 2 yrs on remote display
  - 1 yr on printer
  - (computer not provided)
- Ground surface requirement: Concrete, Asphalt, Compacted gravel
- Option: ramps
- Cost effective non-legal for trade to weighbridge
- Non-auto weighing - Requires scale operator
- Traffic light guide - Option
- Made from Canadian/US high strength steel
- Rugged design for long service life
- 6" low profile
- Fully calibrated to traceable weights
- Forklift portable for use in multiple location

# **Wireless Transmitter Specification and Features**

- Operating Temperature: -20°C to 55°C
- Protection: IP 67
- Operates at 2.4 GHz
- Radio module FCC, CE, IC Approved
- Battery life of 9 months (2x D-cell, @8 hrs/day use)
- Warranty: 1 yr
- Long range of up to 800 m
- Dimension: 5.82 x 3.30 in (148 x 84 mm)

## **Wireless Base Station Specification and Features**

- Simple plug and play USB
- Operating Temperature: -20°C to 55°C
- Protection: IP 50
- Operates at 2.4 GHz
- Radio module FCC, CE, IC Approved
- Warranty: 1 yr
- Long range of up to 500 m
- Dimension: 2.99 x 1.38 in (76 x 35 mm)

# **Aurora 45SL display Specification and Features**

- 6 Digits 4.5" LED lamps
- 5" RED/GREEN Traffic light
- Visible up to 250ft
- 100-240 VAC 50/60 Hz
- Communications: RS-232, RS-422, RS-485
- Operating temperature range: -40°C to 50°C
- NTEP approved
- Enclosure: Mild steel with powder coated finish
- Tough, dependable and weather resistant
- Dimension: 32" x 12" x 5"

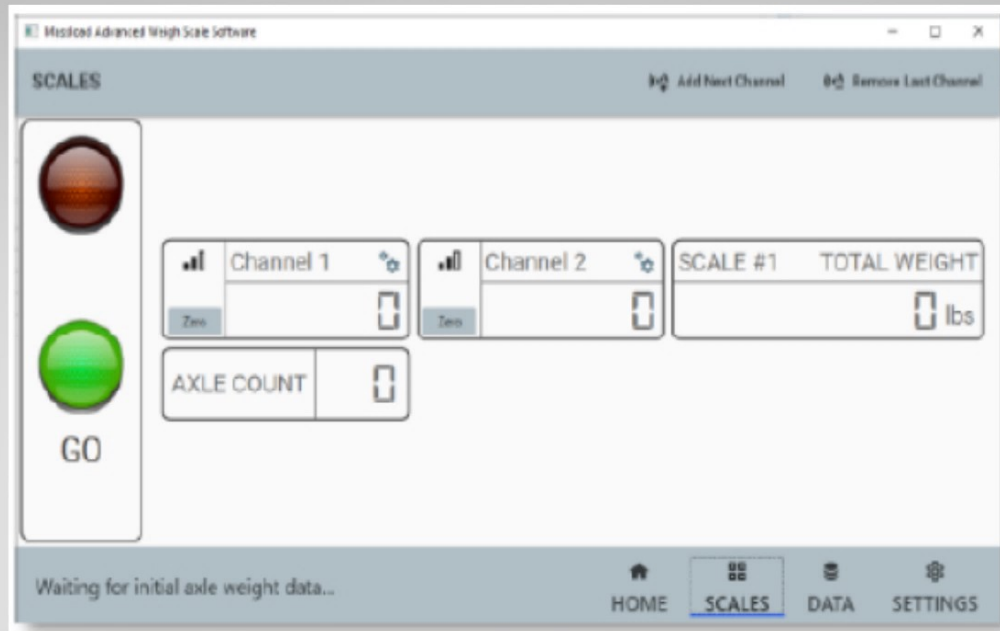
# Serial Printer Specification and Features

- Thermal printer
- 57 mm paper
- Communication: RS-232 serial
- Operating Temperature: 0°C to 50°C
- Status indicator: Error LED
- 12Vdc power adapter 100-240VAC 50/60 Hz

## Weighing process

1. Scale operator open and run the software.  
Green light display on Scale window
2. Scale operator assist the truck driver to position 1st axle on the scale and stop. Red light display on software.
3. Software captures the 1st axle weight.
4. 1st axle weight display on software.
5. Green light display on software.
6. Repeat 3 to 6 for remaining axle/s.
7. After last axle weighing, scale operator enter customer/company name, product and truck info to save the record.
8. Option to print the weigh ticket.

# Scale Window



# Database Window

**DATA** Ticket 16 and 17 - sample of Truck-In Truck-Out

	Group	Ticket No.	Truck No.	Customer	Product	Direction	Date/Time
		16	12345	Eustacio	Canola	IN-BOUND	01-Feb-2022 12:46:55
		17	12345	Eustacio	Canola	OUT-BOUND	01-Feb-2022 12:47:42
		18	12345	Ryan	Canola		01-Feb-2022 12:49:07

Ticket 18 - sample of normal Truck weigh

Search										
Weight	Gross Weight	Tare Weight	Net Weight	Unit	Comments	Axle Count	Axle 1	Axle 1 Details	Axle 2	Axle 2 Details
3,000	0	0	0	lbs		2	1,000	500 / 500	2,000	1000 / 1000
0	6,000	3,000	3,000	lbs		2	3,000	1000 / 2000	3,000	2000 / 1000
2,500	0	0	0	lbs		2	1,000	500 / 500	1,500	1000 / 500



"Axle no Details" shows left and right wheel weight



## In-ground installation



## Above ground installation

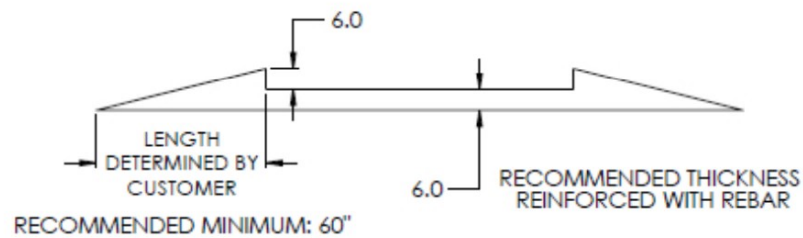
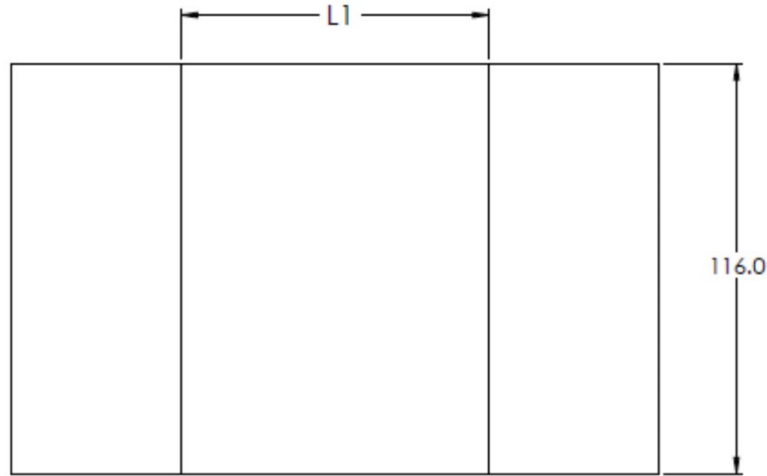




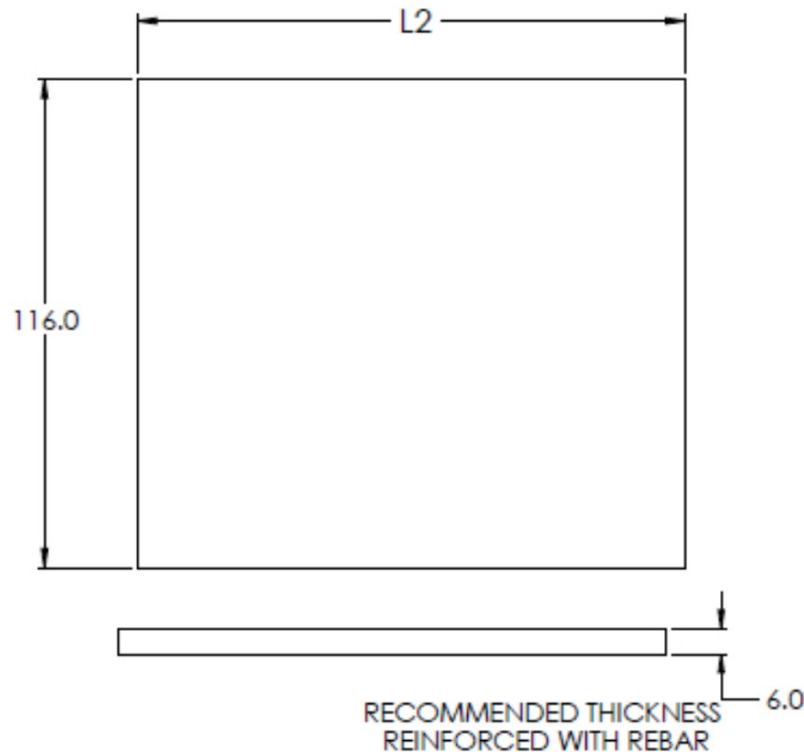
# Recommended Concrete Pad Dimension

MODEL	L1	L2
7'	88"	130"
12'	150"	194"
14'	172"	216"
14' Legacy	174"	218"

WITH CONCRETE RAMPS USE PAD LAYOUT ABOVE



WITH MASSLOAD RAMPS USE PAD LAYOUT ABOVE



RECOMMENDED SPACING BETWEEN AXLE PAD DECKS: 46.5"

WIDTH BASED ON TRUCK WHEEL SPACING  
ADJUST IF NECESSARY BASED ON VEHICLE TYPE



# Applications

## Check Weighing



**Incoming and yield product monitoring**



**Filing process load & unload monitoring**

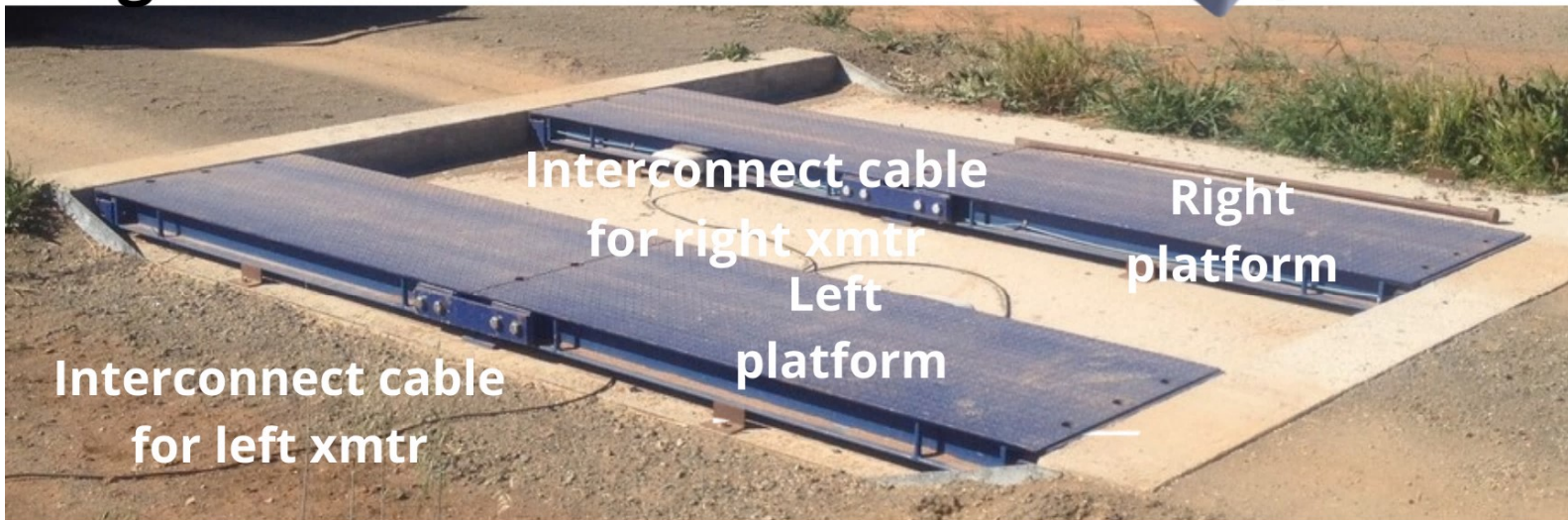


# Scale components

**Right platform  
wireless transmitter**



**Axle Pad Platform  
in-ground Installation**



**Left platform  
wireless transmitter**

**Wireless Base Station  
to Computer**

