

# LS630-WIM™

## Portable Weigh-in-Motion



## Overview

The LS630-WIM™ Platform Scale is a portable weighing system used to record individual axle weights, axle group weights and Gross Vehicle Weight (GVW) in static or Weigh-In-Motion (WIM) modes. Intercomp's Portable Weigh-In-Motion Scales function as deployable enforcement and weigh stations. Vehicles can be weighed either dynamically (in-motion) or statically (axle by axle).

## Description

Portable Axle Scale systems provide a solution to weigh trucks, trailers or any other type of wheeled vehicle, quickly and accurately in remote locations. The system is comprised of a pair of LS630-WIM™ Wireless Platform Scales, Roll-up Ramps, and an indicator or software.

- CNC Machined from Aerospace Grade Aluminium
- 30.7 in (78 cm) Wide Pads for Dual Tires
- Capacity up to 40,000 kg Per Axle
- NTEP Class III Certified in Static Mode
- OIML R134 Certified in WIM Mode
- Dynamic Accuracy of 1-2% at Low Speeds\*
- Wireless Operation and Communication - Cabled Optional

\*Site Conditions & Vehicle Speeds Can Affect GVW Accuracy

## Applications

- Set Up Portable Weigh Stations
- Direct Weight Enforcement by Authorities
- Axle and Gross Vehicle Checkweighing
- Ports of Entry
- Industrial Checkweighing

### General

Capacity	22,000 lb x 50 lb / 10,000 kg x 20 kg 30,000 lb x 50 lb / 15,000 kg x 20 kg 10,000 kg x 50 kg / 22,000 lb x 100 lb *Other capacities available
Dynamic Operating Speed	0 – 10 kph
Dynamic Accuracy (GVW)	2-3% @ 6 kph (95%, 2 Sigma)
Static Accuracy	+/-0.5% of verified gross weight or 1 display graduation, whichever is greater
Certification	NTEP Class III & OIML R134 10F
Calibration Interval	1 Year

### Physical

Dimensions (Platform)	30.7" x 15" x 1.7" (780 x 381 x 43 mm)
Dimensions (Overall)	40" x 16" (1016 x 406 mm)
Weight:	31 kg (69 lb)

### Electrical

Batteries	(4) lithium or alkaline 'AA' cells
Battery Life	100 hours with lithium, or 50 hours with alkaline
Stand-by Mode	Low power stand-by mode automatically entered when host indicator is off. In this mode battery life is 60 days from alkaline.

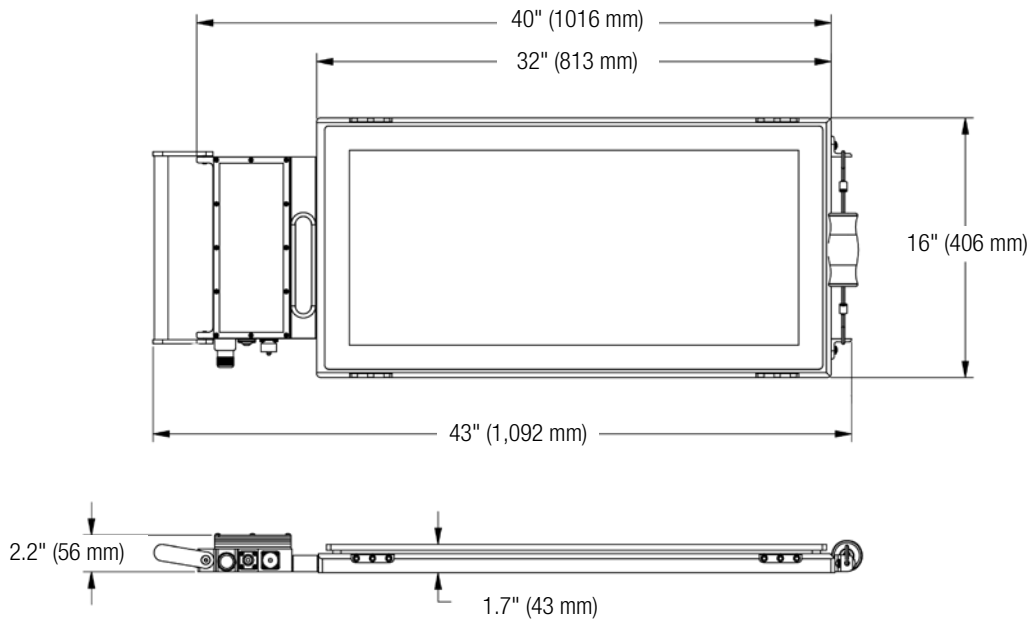
### Environmental

IP Rating	IP67
Operating Temperature	-18.4°F to +149°F (-28°C to +65°C)

### Radio

Radio Frequency	ISM 2.4GHz, 802.15.4 DSSS*
License Requirements	None. Pre-Approved US/FCC, CAN/IC, EUR/CE
Range	200' (60 m) Indoor, 300' (90 m) Line of Sight
Antenna	Internal

\* Radio notes: Frequency: ISM 2.4GHz (2.400GHz - 2.483GHz), with 12 Channels (CH 1-12) within that range with each center frequency = 2405MHz + (CH \* 5) MHz. Power output 63mW (18dBm), 10mW (10dBm) for international variant. Antenna is internal surface mount with -1.5dbi gain, omni-directional.



**Weighing System Ramps**

The LS630-WIM™ is used in pairs to acquire axle weights. Roll up ramps keep adjacent axle groups level for accurate weighing. Standard ramp length is 10 ft (3 m) per mat. Custom ramp lengths are available.

