



# CWL-40

## Portable Axle Scales

*Shown here is Cardinal's model CWL-40KIT containing CWL-40 scale, 190A indicator, and P150 portable printer*



Each axle pad platform is constructed of heavy-duty cast aluminum for a high strength-to-weight ratio.

# Mobile Wheel Weighing



## LIGHTWEIGHT, PORTABLE DESIGN

Weighing only 57 pounds (26 kg) per platform and featuring integral carrying handles, the CWL-40 axle pads are light enough for easy transport from location to location. The interlocking rubber ramps easily snap in place once you're ready to weigh!



## COMPLETE WEIGHING KIT

Cardinal Scale's CWL-40KIT contains two CWL-40 axle pads, rubber ramps, and necessary cables, plus Cardinal's 190A weight indicator with axle weighing software and P150 direct thermal ticket printer. Both the 190A indicator and P150 printer may be powered by rechargeable lithium ion batteries (optional - 190A / standard - P150). The USA-made 190A indicator features two RS232 serial ports (to connect with a printer and remote display) and the one-inch-high backlit LCD is visible in direct sunlight and at night. The 190A's capacitive touch keys and IP69K-rated enclosure mean you'll never have to worry about inclement weather affecting the weight indicator. The P150 high-speed printer is compact and robust with a long-life printing head.

## Factoring Axle Weights

After each axle is weighed, simply press the **PRINT** key on the weight indicator to accumulate that axle's weight. Cardinal's 190A also features **traffic control auto mode** when used with a remote display with traffic lights and printer.



**= 65,460 lb TOTAL AXLE WEIGHT**

9:47	01-27-13
1	9740 lb
2	16320 lb
3	15980 lb
4	15880 lb
5	15700 lb
Total	73620 lb

## PRINT TICKETS:

- Axle Weights
- Gross Weight
- Time
- Date

# CWL-40

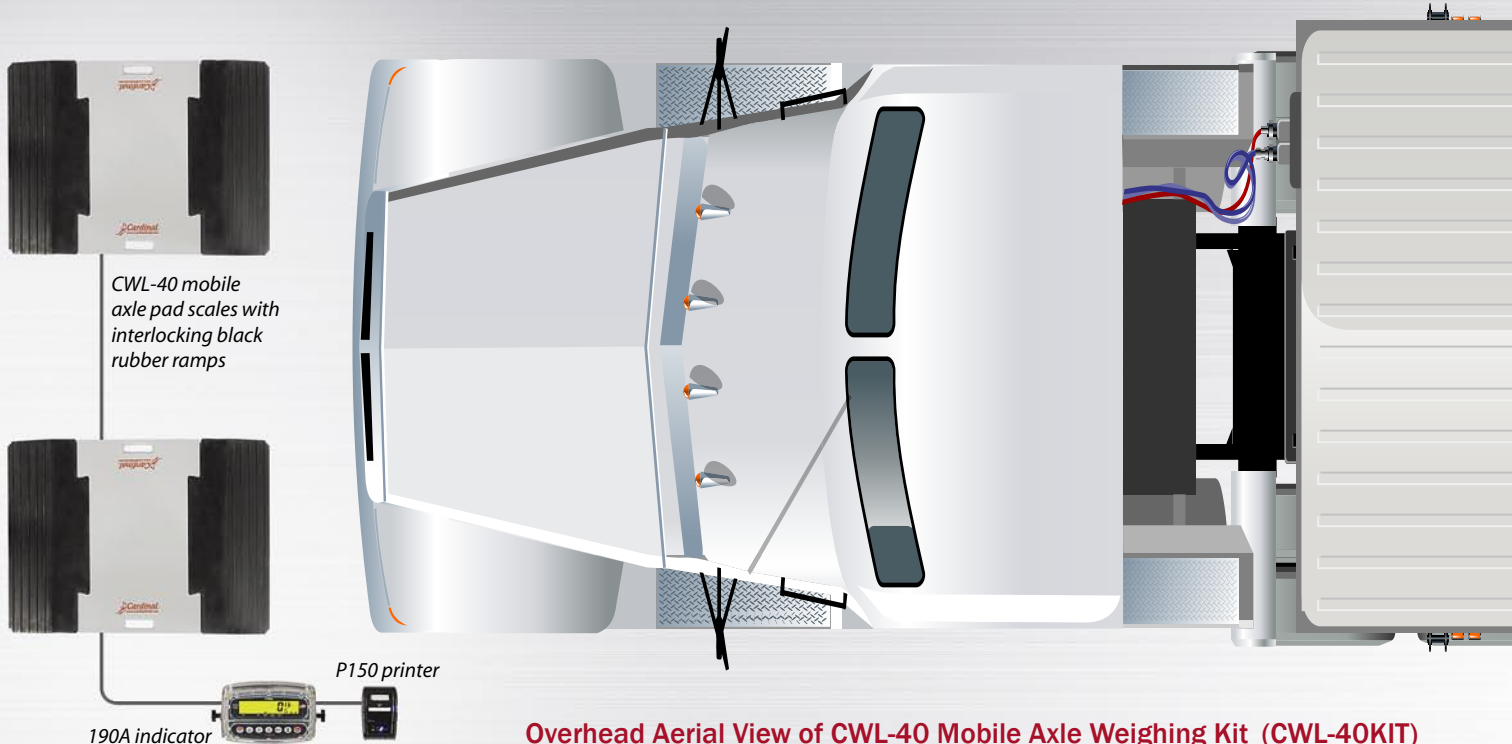
## RUGGED CAST ALUMINUM

Engineered specifically for portability, Cardinal's CWL-40 mobile axle scales provide a quick and efficient method of checkweighing vehicles to eliminate the risk of overloading. The CWL-40 is rugged and sturdy enough for weighing nearly any type of vehicle.



The CWL-40 features  
50 feet / 15 m of cable length  
from the scale to the indicator

- Interlocking Rubber Ramps
- Six Strain Gauge Load Cell Design
- Wide Platform Size Accommodates Dual Axles
- Corrosion-Resistant, Durable Weighing Platforms
- Capable of Weighing up to 40,000-lb (18,000-kg) Axle Loads
- Low-Profile Platforms (1.7-in / 43-mm High) with Integral Handles
- Optional Rechargeable Lithium Ion Battery and Car Battery Cables



Overhead Aerial View of CWL-40 Mobile Axle Weighing Kit (CWL-40KIT)





## CWL-40KIT

Cardinal's CWL-40KIT contains everything you need for mobile axle weighing: scale, indicator, and printer (see details below under "Models").



Cardinal Scale's USA-made 190A weight indicator features axle weighing software and advanced digital filtering to minimize vibration.

# CWL-40 SPECIFICATIONS

<b>Capacity:</b>	20,000 lb (9,000 kg) per platform or 40,000 lb (18,000 kg) for single axle
<b>Division Size:</b>	20 lb
<b>Safe Overload:</b>	150% of capacity
<b>Output per Platform:</b>	1.75 mV/V
<b>Number of Load Cells:</b>	6 each strain gauge load cells
<b>Maximum Resolution:</b>	1,000 divisions
<b>Input Resistance:</b>	750 ohms
<b>Output Resistance:</b>	750 ohms
<b>Accuracy:</b>	The greater of +/-0.3% of applied load or 1 division
<b>Platform Size:</b>	24.5 in L x 14 in W (62 cm L x 36 cm W) weighing surface
<b>Overall Size:</b>	28.5 in L x 17.5 in W x 1.7 in H (72 cm L x 45 cm W x 4 cm H) including carrying handles
<b>Ramps:</b>	Interlocking, slip-resistant rubber ramps measure 28.5 in L x 10 in W (72 cm L x 25 cm W) each
<b>Deck Construction:</b>	Aluminum
<b>Single Axle Pad Weight:</b>	57 lb (26 kg) per platform
<b>Shipping Weights:</b>	
CWL-40	263 lb (119 kg)
CWL-40KIT	280 lb (127 kg)
<b>Cable Lengths:</b>	
Wheel Pad to Wheel Pad	63 inches / 160 cm
Wheel Pad to Indicator	50 feet / 15 m

## MODELS

### CWL-40

Includes:

- 2 portable axle pad platforms
- 2 sets of interlocking black rubber ramps per platform
- Wheel pad to wheel pad interface cable assembly
- Wheel pad to weight indicator interface cable assembly

### CWL-40KIT

Complete Kit Includes:

- 2 portable axle pad platforms
- 2 sets of interlocking black rubber ramps per platform
- Wheel pad to wheel pad interface cable assembly
- Wheel pad to weight indicator interface cable assembly
- Model 190A weight indicator with axle weighing software
- Model P150 rechargeable lithium ion thermal printer

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