

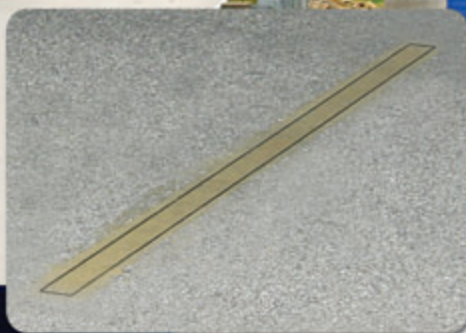


With today's ever-increasing need to do more with less, Cardinal in-motion vehicle scales offer a means of increasing the capacity of your weigh stations by identifying overweight trucks that should be weighed statically.



### QWIM Series

*Quartz Sensor  
Based Weighing*



### Mid-Range Speed Weighing

The Cardinal **CWIM** series of in-motion scales is a load cell based system using two independent platforms each supported by four 50,000 lb (23,000 kg) stainless steel Cardinal compression load cells. The rugged steel construction and excellent performance make the CWIM an ideal choice for intermediate speed (45 mph / 70 km/h) applications.

### CWIM Series



*Load Cell  
Based Weighing*

# Weigh - in - Motion Vehicle Scales

### High Speed Weighing

Cardinal's **QWIM** series of in-motion scales utilize quartz sensors embedded in the roadway to weigh vehicles at speeds in excess of 80 mph (130 km/h). The sensors are only 2 inches in width and have an IP-67 protection rating.

Available in either a single or dual sensor configuration, the QWIM can be installed in less than a day. The QWIM is an ideal choice for sorting vehicles at highway speeds.

## Keep Traffic Moving

**WEIGH  
STATION**



Whether your need is for highway weigh station enforcement or mainline data collection, Cardinal has a Weigh-in-Motion system that will keep your traffic moving. Systems include comprehensive and flexible software packages providing virtually any output format and classification scheme.

Both Cardinal's QWIM and CWIM in-motion scales provide:

- individual axle and axle group weights
- vehicle gross weight
- axle spacing
- vehicle classification
- speed
- meet or exceeds ASTM 1318E Type III performance

Available options include:

- off-scale sensing
- over-height detection
- automatic and manual traffic control
- automatic vehicle identification

Cardinal's staff of engineering and software professionals are available for the design of a complete weight enforcement and traffic control system, while Cardinal service technicians can be at your site within hours, not days or weeks, if needed.



### Static Truck Scales

Cardinal's complete line of proven single and multiple platform static vehicle scales complete the weight enforcement package. Available in either low profile or pit type installations, these high capacity scales offer rugged construction and no-compromise performance. Every Cardinal vehicle scale includes Cardinal manufactured stainless steel load cells ensuring you a single source supplier.



Cardinal Scale reserves the right to improve, enhance or modify features and specifications without prior notice.

 **Cardinal**<sup>®</sup>

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**Sold By:**