CVW
VEHICLE CLASSIFIER
WEIGH-IN-MOTION CONTROLLER

- Compact Design
- Removable Data Storage
- Multiple Connectivity

wimscales.com
THE WEIGHT IS OVER! Cardinal Scale’s CVW Weigh-In-Motion Controller offers the features you’ve been looking for. The CVW can be used for either vehicle classification or for in-motion weighing and classification. It was designed to work with Kistler LINEAS quartz-piezo sensors to function as a ASTM 1318-09 Type III in-motion scale. If all you need is classification, it can do that, too. Just look at the features and see if you don’t agree:

- Up to two lanes of classification and weigh-in-motion
- Removable micro-SD card holds up to 16 GB of data and can be purchased almost anywhere
- 12 to 24 VDC power from battery, solar panels, or AC power supply
- 10/100 MB/sec Ethernet TCPIP socket communication, UDP loop messages, password protected web page setup and diagnostics
- Mini USB device connection allows communication with a laptop or PC
- Two RS232 serial ports (Local and Remote)
- Various output ports are supported for all communications ports: Cardinal vehicle format with or without lane number, axle or wheel weights, PrePass 9 or 13 axle formats, loop messages, and detail messages
- Configurable limits, classification, and bridge formula tables

Processor | Freescale Kinetis 96MHZ 32-bit
Sensor I/O | 4 each bipolar analog inputs
| 4 each binary inputs
A/D Converter | 4 channel 14-bit high speed
Interface | Ethernet, USB device, two RS232
Power Input | 12 – 24 VDC
Removable Memory Card | Micro SD up to 16G
Temperature Range | -22° to 162° F / -30° to 72° C
Humidity Range | 5 to 95%
Dimensions | 5.1 in W x 4.7 in H x 1.6 in D / 13.0 cm W x 11.9 cm H x 4.1 cm D
Weight | 0.5 lb / 0.2 kg
Warranty | 1 year
Additional Features | Real time clock with battery backup
Field updatable firmware using a standard USB cable and laptop
DIN rail mounting and plug in connectors for easy installation and maintenance
Expansion connector to connect to Cardinal C-Box classifier/additional I/O (future)