

# Vulcan V600 Series Electronics System

The Highest Quality On-Board Scale Electronics for the Trucking Industry

The system that combines the most advanced electronics with a user-friendly operation. Works with existing Vulcan load cells and air sensors. Ideal for applications requiring more than two channels, set points, recording weight information, interface to on-board printers and computers. A great choice for operators who wish to mix tractors and trailers.



## Key Benefits

Uses the new VULCAN SINGLE LINE (VSL) technology

Unlimited mixing of trucks and trailers without any adjustment, just plug in and go

Handles up to 6 channels

Adjustable cycle time (between channels)

Brilliant display — large, red LEDs with 4 brightness settings for easy viewing inside/outside the cab

16-character, LED, dot-matrix secondary display for user-friendly meter interface

Simple operation with new auto-calibrate feature

Lockout feature allows full operation of scales while safeguarding against accidental changing of calibration settings

Reduced wiring — a single 2-wire cable provides power and communication for all channels

Printer interface with date and time

Set points with relay drivers to control lights and alarms

Interface to on-board computers

Configurable for custom applications including weigh-in-motion

Can capture up to 2000 events including date, time, and weight for downloading (depending on application)

Works with Vulcan Super-Beam, fifth wheel, single-point, trunnion, shear pin, center hanger load cells, and air sensors

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## V600 METER

### DESCRIPTION

The Vulcan V600 meter displays individual axle group weights (up to six channels) and the total weight. The meter display can be fixed on any single channel or group of channels or automatically cycled through all active channels. Cycle times are user-adjustable from 1 to 9 seconds. The large, primary display can be easily read from outside the truck, if desired. The secondary dot-matrix readout displays an extensive set of help instructions assisting the user to quickly and easily identify and correct a problem, if it occurs.

The V600 meter uses the Vulcan Single Line (VSL) technology to minimize truck and trailer wiring for the best reliability. A V600 meter can immediately identify and read the weight from any other VSL equipped truck or trailer.

### SPECIFICATIONS

**DISPLAY:** LED, variable brightness  
Primary: 6-.7" high characters  
Secondary: 16-.2" high characters

**CYCLE SPEED:** Variable, 1-9 seconds

**SIZE:** 8.0"W x 2.6" D x 3.6" H (including mounting bracket)

**RESOLUTION:** 10, 20, 50, 100, or 200 lb or kg increments

**VOLTAGE REQUIRED:** 10.5 to 29.0 Vdc

**CURRENT DRAW:** .7 to 2 amps

**PROTECTION:** Inline, 2 amp fast-acting fuses and reverse voltage protection

**WEIGHT:** 27.8 oz (including mounting bracket)

## VSL VULCODER

### DESCRIPTION

The VSL Vulcoder receives the analog voltage signal from the load cells or air sensor. A computer inside the Vulcoder then calculates the weight based on the calibration values stored in its memory. When the meter requests weight from a channel, the proper Vulcoder will respond and send the weight information back to the meter. All VSL Vulcoders connect to the same two-wire line. Any VSL equipped trailer will be immediately identified and read properly when plugged into any truck with a V600 meter.

### SPECIFICATIONS

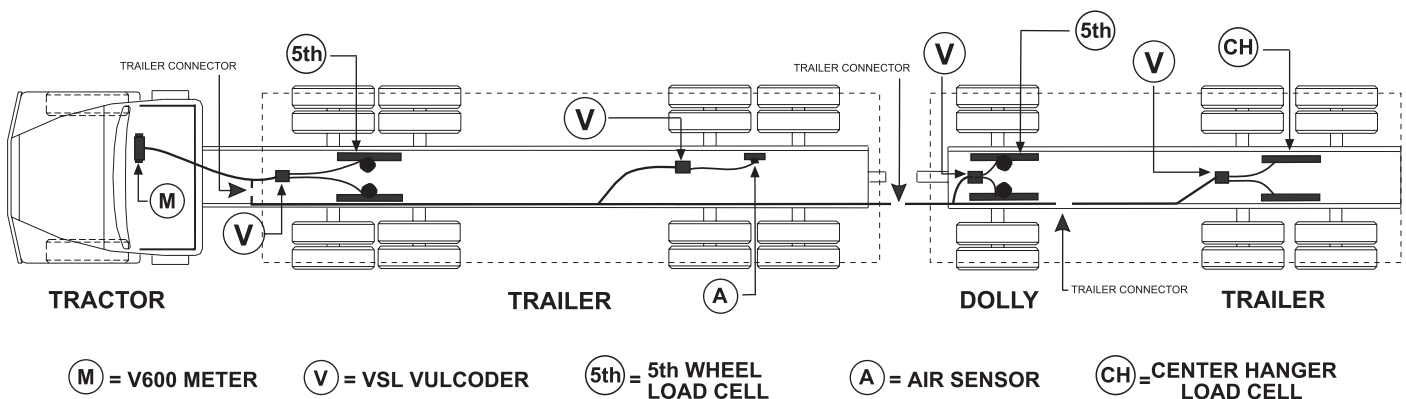
**SIZE:** 5.6" W x 4.6" D x 1.5" H

**2-WIRE COMMUNICATION CABLE:** Vulcan-designed special cable, urethane jacketed. Remains flexible in cold weather.

**4-WIRE SENSOR CABLE:** Vulcan-designed special shielded cable, polyurethane jacketed, 4 conductors

**ELECTRONICS:** Environmentally-sealed

**CONNECTORS:** Military grade with dual environmental seals



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