



# VCalm®VMS-18

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Fortel Traffic's VCalm®VMS is a powerful traffic calming Variable Message Sign (VMS) with versatility that makes it perfect for a wide variety of applications. VCalm®VMS is a summation of the most important features and technology that meet the evolving needs of the traffic industry.

### Brightest Display

VCalm® utilizes high-volume, high-intensity, tightly-clustered LEDs to maintain the highest visibility possible.

### Lowest Power Consumption

VCalm® uses proprietary PWMS™ LED technology that consumes 50% less power than common LED technology. Our programming delivers exceptional autonomy for solar/battery installations in a much smaller package size.

### Strongest Construction

VCalm® maintains superior construction and durability with high quality components and no moving parts.

### Unrivaled Versatility

Custom Messaging based on unique road conditions, activities, or events

Multiple independently-scheduled vehicle speed thresholds can trigger any variation of messages and/or auxiliary devices: strobes, flashers, sirens, beacons, wireless alerts, etc.

Instant Critical Messaging allows you to quickly display a high priority message from a remote location (requires IP modem).

### Simplest Programming

SD Card provides practically limitless data storage space (40 years of data per gigabyte) and makes programming and data retrieval simple and affordable. (SDHC compatible)

Modems, coupled with our automated online software, provide remote access to sign programming so changes can be made instantly.

VSpeed™Online is the ultimate management software that gives the ability to program signs, simulate functionality, analyze data, and deploy configuration changes through remote access or SD cards.

### Easy and Accurate Reporting

Traffic Data Acquisition System (TDAS) collects the fastest and slowest speed for each vehicle. The software uses this data to calculate the percentage of slowing vehicles and prove the device's effectiveness.

Accurate raw data collected by VCalm® can be used to construct limitless report formats and parameters for thorough data analysis.

### Radar:

- K Band (24.159 GHz)
- FCC Compliant (no license required)
- Low Power (<2 Watt)
- ±1MPH Accuracy



### Construction:

- 11-Gauge (0.090") Continuous Formed Aluminum Enclosure
- High-Intensity Amber LEDs
- 3/8" Polycarbonate Lens

### Power Consumption:

- 500mA – 2000mA @12VDC
- 400mA – 600mA @120VAC

Characters: 4"(W) x 6"(H)

Numerals: 9"(W) x 18"(H)

Enclosure: 28.5"(W) x 45"(H) x 4.5"(D)

Weight: 48lb

Enclosure Color: Black

Pole: Existing Pole (Not Provided)

Sign Mount: Articulating (Works on Horizontal, Vertical, or Cantilever Poles)

Power: Solar - VCalm®SP1 (100W)

Battery Type: 100Ah (x2)

Solar Mount: Mounting Bracket - Side of Pole

Modem: Wireless IP Modem - 4G

Wireless Service: VSpeed™Online - 1 Year

### Additional Features:

- Automatic Dimming (Photodiodes)
- GPS Clock
- Strobe Light

Strobe Color: White

Warranty: 1 Year

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