

# iQ1500 PERMANENT MOUNT SIGN

## DRIVER FEEDBACK SIGNS



TRAFFICALM.COM

**iQ1500 Driver Feedback Signs** improve driver speed awareness and road safety. The bright 15" characters can be seen from up to 750' away, and help increase compliance on the roadways where crashes can be so dangerous.

SafetyCalm™ data collection software allows you to gather hard data of traffic patterns and program the sign to help keep roads safer.

TrafficCalm™ Driver Feedback Signs are manufactured in the USA under an ISO 9001:2015 quality system, meeting and exceeding industry standards and state testing requirements. TrafficCalm™ signs are unmatched in durability, accuracy, ease of use and affordability.

## FEATURES

### EASY CONNECTIVITY

Bluetooth connectivity makes connection to any Windows laptop or Android device a familiar process. Our License-Free SafetyCalm Software and App offer fast connection and easy configuration of any iQ Driver Feedback Sign.

### EYE CATCHING DISPLAY

15° AllnGaP Amber LEDs produce a display that cannot be missed. MUTCD compliant dynamic feedback and Highway Gothic display send a clear, highly-visible message to all drivers.

### RUGGEDIZED ELECTRONICS

Integrated electronics and LEDs are fully conformal coated and environmentally sealed. An industry leading 3 year warranty backed by unlimited phone support makes ownership easy.



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Feature	Specifications
<b>LED and Radar Components</b>	
Speed Display Height	15" high numbers
Configuration	Full Matrix Display
"YOUR SPEED" Legend	6" high highway gothic font (MUTCD compliant)
LED, 1/2 Cone Angle	Amber (590nm); ½ Angle 15°; Rated 100,000 hours; 20,000 CDA/ M^2, Auto Dimming employed
Amber LED on Axis Intensity	20,000 CDA/SQ meter
White LED (Cool White)	1/2 angle 60 degrees; rated 100,000 hrs; 2,475 CDA/M^2, Auto Dimming Employed. Software programmable violator strobe option
Sign Legibility	Viewable range: 1,000 feet; legible range: 750 feet
Speed Resolution and Range	Min 5 MPH; Max 99 MPH in 1 MPH steps. Range 600 feet. (Max 140 mph available as custom order)
Radar Specification and Range	K-band (24.15GHz) direct sensing; license free (FCC part 15 compliant); average range at 450 feet (plus 400' or minus 100' depending on vehicle size)
<b>Materials and Construction</b>	
Chassis Size/Total Weight	30" width x 41" height x 3" depth; 36 pounds
Front Face Sheeting	3M™ Diamond Grade™, high visibility prismatic, long life protective sheeting
Sign Face Color	White, fluorescent yellow-green; with additional colors optional
Sign Mounting Construction	3/16" thick aluminum brackets and 1/8" face; standard 3% tilt bracket configuration; Flat mount brackets optional
Vandal Resistant Construction	Sealed electronics box (ECS) 1/16" thick aluminum enclosure attached to a 1/8" thick mounting plate. The ECS is removable from the chassis as a complete unit.
	1/4" high impact polycarbonate face with high contrast mask; anti-glare graffiti and sunlight resistant
	Provisions for padlocking in place are provided
	Standard DOT powder coat green color with additional colors optional
Electronics Enclosure Rating	Weatherproof; NEMA 3R
<b>Electrical Specifications</b>	
Power Requirements	12VDC (10.5VDC to 16VDC), 23W at max brightness with maximum message displayed, 10W at average brightness with maximum message displayed
Voltage Requirements	9V-30VDC; 12VDC Nominal (Battery protection at 11.5VDC and 10.8VDC; startup at 12.3VDC)
Power Options	110VAC Power Supply
	Solar kits: 60W, 100W, and 150W kits available
	Battery charger kits and battery boxes
Operating Temperature	Internal components: -34°C to +74°C/-29°F to +165°F
	Ambient environment: -34°C to +60°C/-29°F to 140°F
Warranties	3 year limited warranty on sign and options (excluding batteries)
<b>SafetyCalm™ Configuration and Traffic Data Collection Software</b>	
Data Collection	SafetyCalm software, license free
Event Logging with Time Stamp	Event data: 60 days with a circular buffer; applied voltage (VDC); internal temperature (°C); ambient light (lux); display functional status; traffic status; shock sensor events; parameter events
Vehicle Data Logging Capacity	Speed Data: 90 days with circular buffer (oldest reading replaced by newest) based on 24/7 operation
Programmable Display Features	Min. speed limit, speed limit, over speed, and maximum speed to display
	Display type: blank (stealth mode); actual speed; speed limit; flashing digits; steady digits; external beacon control
Schedules	Repeating daily: 9 events; repeating weekly: 9 events; non-repeating dated: 9 events; (27 events in each 24 hour period; 365 days per year while powered)
Communications	Bluetooth Class 1 connectivity (V2.1 +EDC) min at 30' (FCC certified); RS232 port
	App for Android available for free on Google Play Store
System Requirements	Operating system: Windows XP, Windows Vista, Windows 7; Windows 10
	Screen resolution: 1024 x 768 or better
	Communications interfaces: Bluetooth Class 1 or 2 adapters (capabilities: V1.0, V1.2, V2.0, V2.1 + EDC)
	Disk space: 16.5MB minimum