IQ1400 Driver Feedback Sign

YOUR SPEED 45

Part #: M75-14DFB-000x

The IQ Series of Radar Driver Feedback Signs offers solutions for increasing driver speed awareness and road safety. The bright 14'' characters can be seen from up to 700' away, and help increase driver speed awareness on the roadways where accidents can be so dangerous. SafetyCalm™ data collection software allows you to gather hard data on traffic patterns and program the sign to help keep roads safer.

TraffiCalm Driver Feedback Signs are manufactured in the USA in an ISO 9001:2008 certified facility, meeting and exceeding industry standards and state testing requirements. TraffiCalm signs are unmatched in durability, accuracy, ease of use and affordability.

SPEED LIMIT 45

The IQ1400 Sign is also available as a Variable Speed Limit sign with data logging and driver feedback (speed awareness) features. When ordering, select VSL.
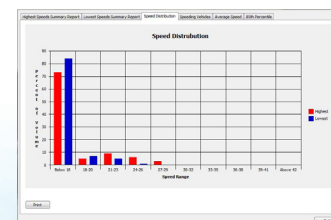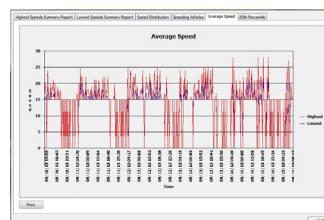
Features:

- Bluetooth wireless programming
- SafetyCalm™ Configuration and Traffic Data Collection software included free
- SafetyCalm™ Android App on the Google Play Store for free
- Emoticon display options to increase driver awareness
- Programmable full matrix display allows the sign to display speed numbers as well as messages like 'SLOW DOWN'
- 100% MUTCD compliant
- Solar or 110V AC ready (power packages sold separately)
- K-band (24.15GHz) radar, range 1,000+ feet.
- Unlimited tech support and customer service from our USA facility for the life of the sign
- Fast delivery- typically ships within 5 days of order
- 3 year limited warranty

Package Includes:

Driver Feedback sign, SafetyCalm™ Configuration and Traffic Data Collection Software, installation and user manual.

Why TraffiCalm?

- ISO 9001:2008 Certified USA based facility
- All signs 100% MUTCD compliant
- Vandal resistant designs
- Broadest range of sizes and options in the industry
- Industry leading turn-around from order to delivery
- Unlimited tech support and customer service from our USA facility
- Industry Pioneers in Radar Driver Feedback Technology

SafetyCalm™

SafetyCalm™ Configuration and Traffic Data Collection Software allows you to program your sign from your laptop and collect and graphically display traffic data

TRAFFICALM SYSTEMS

Division of MOR Manufacturing

IQ1400 Driver Feedback Sign Spec Sheet

Feature	Specifications
LED and Radar Components	
Speed Display Height	14" high numbers
Text & Emoticon Height	6" high two lines 'SLOW DOWN' text, 14" high 'smile' or 'sad' face emoticon
"YOUR SPEED" Legend	5" 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
Sign Legibility	Viewable range: 1,000 feet, legible range: 700 feet
Speed Resolution and Range	Min 5 mph, Max 99 mph in 1 mph steps (min 8 kph, max 159 kph in 1.6 kph steps)
Radar Specification and Range	K-band (24.15GHz) direct sensing, license free (FCC part 15 compliant), average range at 1,000 feet (plus 400' or minus 100' depending on vehicle size)
Materials and Construction	
Chassis Size/Total Weight	30" width x 38" height x 2.75" depth, 46 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
Electrical Specifications	
Power Requirements	300mW standby, 2W stealth, 5W typical at night (100% traffic), 18W by day (bright sun, 100% traffic) and 45W over-bright (100% traffic, sun on face of display)
Voltage Requirements	9V-30VDC, 12VDC Nominal (Battery protection at 11.5VDC and 10.8VDC, startup at 12.3VDC)
Power Options	110VAC Power Kit
	Solar kits: 60W, 90W, and 140W kits available
	AC battery charger kit, battery box
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; Power options: 2 year limited warranty (excluding batteries)
SafetyCalm™ Configuration and Traffic Data Collection Software	
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, strobing digits and strobing 'SLOW DOWN' text
	Programmable integrated "SLOW DOWN" Message, external beacon control
Schedules	Repeating daily: 9 events, repeating weekly: 9 events, non-repeating dated: 9 events, (27 events in one 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 on the Play Store
System Requirements	Operating system: Windows XP, Windows Vista, Windows 7
	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

TRAFFICALM™
S Y S T E M S
Division of MOR Manufacturing

Certified System ISO 9001

ATSSA — SAFER ROADS SAVE LIVES

Made in USA