

MINI UNIT



CONVENIENT
AND EFFICIENT
TEMPORARY
LED TRAFFIC
SIGNS SOLUTION

Variable Message Signs (VMS) and Vehicle Activated Speed Signs (VAS) are becoming increasingly popular on UK highways due to their energy-efficiency, intelligent technology and ease of use.

Messagemaker Displays has added another benefit to these popular signs; convenience.

VMS and VAS Signs on the Mini Unit portable base are the ideal solution for temporary traffic management; whether for managing traffic around temporary roadworks, outside a construction site, speed reduction initiatives, or communicating messages for an event.

Mini Unit base Specifications;

- ▶ Riveted powder coated galvanised steel
- ▶ Lockable folding handle
- ▶ Lockable battery compartment
- ▶ Small footprint; 1140 x 560 x 490mm (L x W x D)

Mini Unit base is available with;

- ▶ Variable Message Signs (2 models)
- ▶ Vehicle Activated Speed Signs (4 models)

MINI UNIT WITH VMS

For full technical information see page 2

KEY POINTS

- ▶ CE Certified (EN12966) and conforms to TSRGD
- ▶ Battery Powered
- ▶ User-friendly web based fleet control software
- ▶ Easily deployed and relocated with lockable folding handle
- ▶ Email or SMS alerts in the event of a power failure, extreme temperatures or communication error
- ▶ Energy Efficient; save at least 20% power compared to traditional VMS*
- ▶ Auto shut-down function to prevent over-charging of battery
- ▶ Supplied with 4 rechargeable 12v 100Ah Leisure batteries
- ▶ Viewing distance of at least 100 meters
- ▶ Full Colour VMS
- ▶ Excellent Contrast Ratio for clear messaging even in extreme weather conditions
- ▶ Auto-dim facility for day and night time use
- ▶ Option to integrate a vehicle detection radar
- ▶ Optional 3G modem with GPS Tracking
- ▶ Battery charger available

* 'Traditional VMS' refers to VMS in the UK market which use DIP LED and a polycarbonate cover



SAVE POWER, REDUCE SPEEDING

By integrating a vehicle detection radar the VMS can;

- ▶ Save power by only activating by passing motorists
- ▶ Have the option to be used as a Vehicle Activated Speed Sign



MINI UNIT WITH VAS

For full technical information see page 3

KEY POINTS

- ▶ CE Certified (EN12966)
- ▶ Integrated vehicle detection radar
- ▶ Available with SID, SAM, SLR or urban (see page 3 for details)
- ▶ Viewing distance of up to 100 meters
- ▶ User adjustable 'Trigger Speed' & 'Display Duration'
- ▶ Auto-dim facility for day and night time use
- ▶ 45,000 triggers per battery (max. 2 batteries per sign)
- ▶ Battery Powered
- ▶ Vehicle data capture option
- ▶ Supplied with one rechargeable 12v 22Ah battery (pre-fitted in sign)

* 'Recommended to use counter weights in the unit base when batteries are inside VAS





	VMS-16-40x48-RGB	VMS-20-32x32-RGB
Standard	EN12966	
Display Size (<i>h x w</i>)	640 x 768 mm	640 x 640 mm
Pitch Size	16 mm	20 mm
Screen Resolution (<i>h x w</i>)	40 x 48 pixels	32 x 32 pixels
LED Type	3-in-1 SMD	
Display Colour	Full Colour	
Display Content Ability	Max 5 Lines of 6 Characters or 1 x 600 mm Traffic Symbol	Max 4 Lines of 5 Characters or 1 x Traffic Circle
Interface	RS232 / RS485 / Ethernet / 4G	
Power	4x Rechargeable 12v 100Ah Leisure Batteries	
Housing Material	Aluminium (Black)	
Maintenance Access	Front of screen	
IP Rating	IP65	
Optional Extras	Vehicle Detection Radar, Solar Power, Data Capture, RCS	



Remote Connect System (RCS)

- ▶ Real-time updates from remote locations
- ▶ Status Monitoring
- ▶ Easy-to-use message scheduling and changing

SID Speed Indicator Device

This sign will only activate for passing motorists travelling over the speed limit.



SLR Speed Limit Reminder

This sign will only activate for passing motorists travelling over the speed limit.



SAM Smiley Activated Sign

For motorists over the speed limit:

For motorists under the speed limit:



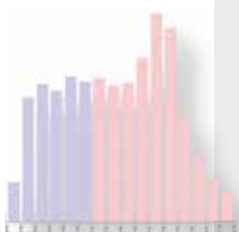
20/30 Urban Speed Sign

This sign will only activate for passing motorists travelling over the speed limit.



	SID	SLR	SAM	20/30
Digit/roundel size	300mm Digit Height	300mm Roundel size	300mm Digit Height	300mm Digit Height
Enclosure dimensions (h x w x d)	660mm x 430mm x 150mm	660mm x 430mm x 150mm	710mm x 430mm x 150mm	660mm x 430mm x 150mm
Trigger speeds	5 - 65MPH			
Display on time	0 - 7.5 seconds			0.5 - 7.5 seconds
Weight without batteries	8Kg			
Rechargeable batteries	12V - 22Ahr (Max 2)			
Typical operating duration	1 Battery	45,000 triggers		
	2 Batteries	90,000 triggers		
LED Colour(s)	AMBER 'Slow Down' AMBER Digits	WHITE 'Slow Down' RED Roundel WHITE Digits	GREEN 'Smiley' RED 'Sad Face' AMBER Digits	WHITE 'Slow Down' RED Roundel WHITE Digits
Mechanical Protection	IP65			
Optional Extras	Data Capture, Bluetooth Antenna, Solar Power			

Important Note: Messagemaker Displays and Stocksigns Ltd recommend the SAM sign is not used on the public highway; it is designed for use on private roads.



OPTIONAL EXTRA: DATA CAPTURE

Each model of VAS is available with Data Capture.

This feature provides reports on passing traffic and includes vehicle counts and speed analysis with dates and times.