RAPID
MOBILE
DEPLOYMENT

FREEWAY3412

PORTABLE MESSAGE SIGN WITH ADVANCED POWER MANAGEMENT

The **Freeway 3142** provides a valuable addition to the successful **Freeway 3000** range of mobile variable message signs. Primarily intended for temporary installation on highways and major roads, this model offers a powerful and distinctive display of 4 lines of 12 x 240mm or 320mm upper case characters supported by unrivalled Advanced Power Management enabling self-sufficient operation for more than 125 hours.

The **Freeway 3412** mobile VMS is a rugged and versatile trailer sign. It can be put to use at short notice enabling high quality signage to be deployed at critical points in the road network.

Ideal for applications where temporary events such as road works are likely to bring traffic problems or for aiding crowd control at public events, the **Freeway 3412** offers optical performance in compliance with specification EN12966-1:2005 Class L3, B3, R3, and C2. The B3 Class beam width ensures visibility on multi-lane roads from a side-of-the-road location.

The sophisticated Advanced Power Management feature offers two power alternatives. The unit can be operated either via a directly connected AC supply, or from the on-board diesel generator (and fuel reserve) backed-up by a battery bank enabling 125 hours of operation. In this mode, a message is sent from the **Freeway 3412** to advise when 10 hours of self-sufficiency remains, permitting the fuel tank to be refilled for continuous operation.

The display is mounted on a hydraulic powered column for raising and lowering, and is free-standing for wind speeds to Beaufort force 6.

4 lines of 12 - 240mm characters.

It is simple to operate using a touch screen user-friendly operator interface that enables setting messages for display and for accessing in-built diagnostics and maintenance aids.

VMS
VARIABLE MESSAGE SIGNS

- **Interactive sign for use in traffic management and public event control.**
- **Proven Rigel technology complies with BS EN 12966, TR2516B and TR2518A.**
- **Displays four lines of 12 x 240mm or 320mm high upper case characters.**
- **Tow-bar, pneumatic jockey wheel, and corner stabilisers.**
- **Security features include wheel clamps, double padlocking on all boxes and sign doors. Welded security frame on generator. Locking fuel filler cap.**

4 lines of 12 - 320mm characters.

Specification – Freeway 3412 Model Ref: A100-1381

Optical Performance	BS EN 12966-1:2005 Classes L3, B3, R3, C2.
Colour of Display	Amber/ yellow – wavelength 590nm.
Display	4 lines of 12 x 240mm characters. 4 lines of 12 x 320mm characters.*
Spacing	2 pixels inter-character, 5 pixels inter-word, 4 pixels inter-line.
Available Character Set	TR2195 D Annex B.
Power Supply	■ AC 230 Volts 50 Hz. ■ Onboard batteries and diesel-generator. Facilitates continuous operation on AC with a typical display. Advanced Power Management provides c125 hours of diesel-generator running on a single fill of fuel.
Operation	■ Stand alone, or integrated as part of a network operating under TRAMS software. ■ Local operation through onboard Operator Interface Unit with touch screen controls. ■ Built-in GPS positioning system reports location.
Fuel	Diesel powered. 125 litre fuel storage tank as standard or 300 litre fuel tank to meet TR2518A.
Operating Environment Range	-15 to +60°C, 95% RH with fans and heaters operating.
Mobility, Stability, and Adjustment Facilities	■ Stand alone trailer-mounted VMS. ■ Trailers with handbrake and over-run brakes, 40mm diameter 'eye' jaw and pin coupling, single 7-pin electrics, pneumatic jockey wheel, corner stabilisers. Fixing eyes for guy ropes for use when sign is in use. ■ Powered hydraulic column raises sign to operating position. ■ Rotation position indexed in 5 degree steps either side of 90 degree position.
Security Features	Double-padlocked boxes for controls, electrics, hydraulics, and tools. Fuel tank with locked filler cap. Padlocked sign doors. Wheel clamps for road wheels. Spare wheel padlocked. Welded-in-place security frame for diesel-generator.

Dimensions and Weights

Model	Overall Length (mm)	Width (mm)	Sign Width (mm)	Sign Height (mm)	Travelling Height (mm)	Operating Height (mm)	Weight (Kg)
3412 (240)	5000	2300	3320	1976	2600	3710	2200
3412 (320)	6000	2300	4400	2460	3225	4325	2515

Options (Please contact for further details)

Special Characters: Right hand half of bottom row is built as a matrix area 40 pixels wide by 7 pixels high for special character display.

Remote Operation: Sign fitted with GSM communications modem for remote operation using Variable Message Signs Ltd "TRAMS" software.

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VMS VARIABLE MESSAGE SIGNS

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