Data Signs AUSTRALIA

Since 1976

2019 CATALOGUE

Quality Endorsed Company
ISO9001 LIC QMS40249
SAI GLOBAL

Certified System™

ADVERTISING

TRAFFIC CONTROL

DATA SIGNS HISTORY

THE COMPANY

Data Signs (Australia) commenced manufacturing in 1976 as a "Programmable Message Sign" manufacturer.

Today, Data Signs Pty Ltd is the largest manufacturer of Solar Powered Traffic Management equipment in the southern hemisphere.

As part of our ongoing commitment to quality, and to strengthen the consistency of our products and the integrity of our brand, Data Signs completed the ISO 9001 quality management system in 2013, and has a certified quality assurance program in place.

We are known in the industry for our exceptional reliability and innovative products; both in terms of hardware design and software functionality.

Our policy is to be as competitive as possible in the marketplace without compromising our high quality standards.

Data Signs' continued growth has been attributed to its ability to respond to customer-specific requirements.

SOURCED GLOBALLY

At Data Signs we pride ourselves on the superior design and quality of our products. Data Signs has invested many years in continued R&D, to design products to meet the appropriate standards including: Australian Design Rules, Australian Standards and various State Type Approvals. Components used in the manufacture of Data Signs products are sourced from all over the world, including but not limited to countries such as Denmark, Spain, China, Taiwan, Japan, USA and Australia. Our focus is to ensure each component we source and manufacture contributes to the overall superior product performance.

ASSEMBLED LOCALLY

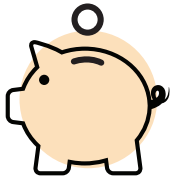
All Data Signs products are assembled in our Brisbane, and Melbourne Assembly Plants. All products undergo rigorous testing at each stage of the assembly process, to ensure each Data Signs product manufactured meets all quality assurance standards. Our Australia-wide service network provides after sales service, support and training, further maximising the superior performance of Data Signs products. Data Signs retain ownership over all intellectual property, trade mark's, registered designs, patents both pending and granted.

CONTENTS

VARIABLE MESSAGE SIGNS (VMS)

The Variable Message Signs (VMS) manufactured by Data Signs are Trailer Mounted, Solar Powered Message Boards. For continuous operation, the energy is stored to maintenance-free Batteries. These Data Signs message boards include local and remote programmable options and have inbuilt satellite GPS tracking. Built to Australian Standards 4852.2:2009 and Australian Design Rules for Trailer Manufacturing, our VMS Boards can be used for traffic management on road projects, as general message boards, or as a large size dynamic electronic advertising sign. DataSign VMS A/B/C models are available in single-colour Amber or 5-Colour LED configuration.

We are known in the industry for our exceptional reliability and innovative products; both in terms of hardware design and software functionality. Our policy is to be as competitive as possible in the marketplace without compromising our high quality standards. Data Signs' continued growth has been attributed to its ability to respond to customer-specific requirements.



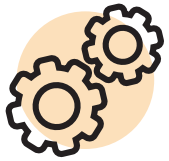
Unbeatable Return on Investment

Sustainable Renewable Eco Friendly

Proven Reliability

Very Easy To Use

Standards Compliant



Latest Technology

4 Year Extended Warranty Available*

Dependable Service and Support

DATASIGN-C5

BUILT TO AUSTRALIAN STANDARD *AS4852.2-2009*
SIGN SIZE: 2600W x 1600H
WEIGHT: 1040KG
TRAILER SIZE: 1845W x 2650H x 3500L
SETUP SIZE: 2170W x 4550H x 3850L
SUITABLE FOR APPROACH SPEEDS TO 110KM/H

Also available as amber only.

SPECIAL ORDER

DATASIGN-B5

BUILT TO AUSTRALIAN STANDARD *AS4852.2-2009*
SIGN SIZE: 2400W x 1500H
WEIGHT: 1040KG
TRAILER SIZE: 1845W x 2650H x 3450L
SETUP SIZE: 2170W x 4550H x 3850L
SUITABLE FOR APPROACH SPEEDS TO 90KM/H

Also available as amber only.

DATASIGN-A5

BUILT TO AUSTRALIAN STANDARD *AS4852.2-2009*
SIGN SIZE: 1570W x 1040H
WEIGHT: 745KG
TRAILER SIZE: 1480W x 2300H x 3060L
SETUP SIZE: 1920W x 3370H x 3300L
SUITABLE FOR APPROACH SPEEDS TO 60KM/H

Also available as amber only.

VMS OPTIONS

REQUIRED FOR AUSTRALIAN STANDARDS

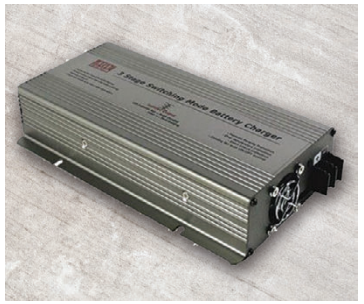
M-STR

Manual Solar Tilt and Rotate mechanism for solar panels, for improved solar efficiency. Factory fitted.

Required to meet Australian Standards.

M-STR IS NOW STANDARD ON ALL PRODUCTS

BATTERY CHARGER



Battery charger for 240v mains charging / recharging, factory fitted.

Plug into mains power to charge the battery array.

- 3 stage charging
- AC 240V
- Protection for: Reverse polarity
- Short circuit/ Over voltage/ Over temp
- Cooling fan
- 2 colour LED indicator

Required to meet Australian Standards.

VMS COMPUTER

Removable or fitted onboard keyboard tablet, for programming messages direct to sign.

- Easy to program
- Predefined messages and images
- Program for single-colour AMBER or 5-Colour VMS
- Local radar setup when fitted to sign
- Backlit large LCD screen
- Timer features for events
- Rugged design
- Upgradable firmware
- Dedicated device - can only be used for our DataSigns-VMS products; no incentive to steal

Required to meet Australian Standards.

RADAR

Manufactured in the USA, the Data Signs installed Houston Radar option gives your DataSign-VMS the ability to detect and display the speed of passing vehicles.

With data-logging activated, your signs will email a log file to you each day.

Vehicle Radar Statistics is an optional feature that includes car count and speed data for each 5km/h speed bin.

Radar range: 100 meters.

DIVERSITY AERIALS

A hi-gain antenna is no longer required when using the latest Data Signs RM32D Controller.

The RM32D controller includes a diversity receiver module, achieving very high signal strength greater than that of a high gain antenna.

SPARE WHEEL

Spare wheel & security mounting bracket - factory fitted.

VMS, Arrow Board, VSLS: 14".

PTL: 12".

WHAT SETS US APART FROM THE REST?

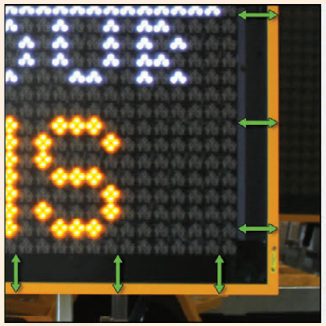
The Australian standard applicable to portable Variable Message Signs is *AS 4852.2-2009 Portable Signs*.

Here are some things to look for to ensure the Sign you are about to purchase actually complies with this standard.

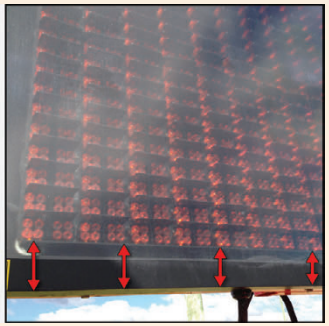
SURROUNDING BORDER

AS 4852.2-2009 Portable Signs, 2.1.2 Sign Enclosure:

The sign housing shall incorporate the following: (b) A surrounding border of not less than 100 mm in width.



Data Signs Compliant Border



Other non-compliant signs

Data Signs incorporates a compliant border within the Sign Enclosure on our range of variable message sign models.

LOCAL PROGRAMMING CAPABILITY

AS 4852.2-2009 Portable Signs, 4.2 Local Control:

The sign shall include an onboard computer complete with keyboard and screen for the purpose of local programming, operation and monitoring.

Data Signs VMS Computer

Other non-compliant signs

Data Signs VMS COMPUTER allows for full local control of the variable message sign. Make sure this option is fitted as part of standards compliance.

MANUAL STR (SOLAR-TILT-ROTATE)

AS 4852.2-2009 Portable Signs, 2.2.1 Power supply:

The solar panel array shall be capable of being positioned and tilted to the correct angle to enable maximum collection of solar power.

Data Signs STR Solar Array

Other non-compliant signs

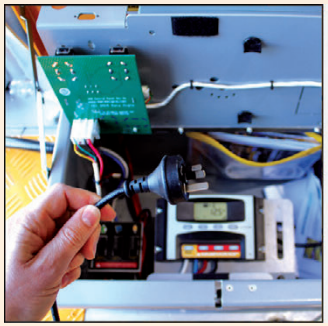
Data Signs STR allows the solar panels to be tilted and rotated around 360 degrees to allow them to be faced North to capture the most sunlight in order to obtain 24/7 operation.

M-STR is now fitted as standard to all applicable products.

BATTERY CHARGER

AS 4852.2-2009 Portable Signs, 2.2.1 Power supply

The auxiliary 240 V a.c. battery charger shall be able to charge the battery from a fully discharged state to a fully charged state



Data Signs Battery Charger

Other non-compliant signs

The battery charger is an option that must be fitted for standards compliance, particularly for low-sunlight conditions or in order to easily and safely recharge the battery array.

ELECTRIC ACTUATOR ON MAST

AS 4852.2-2009 Portable Signs, 2.1.1 General arrangement

Facilities shall be provided for the sign to be raised and locked in the operating position.

Data Signs STR Solar Array

Other non-compliant signs

An electric actuator is used to raise and lower the variable message sign Head (screen) using a Raise/Lower button located in the Control box. The manual brake winch pictured is extremely unsafe.

For details, see the Safety Alert titled *'Failure of Winch Type Signs'* released by Workplace Health and Safety, Queensland on 17 September 2014.

WIND LOADING

AS 4852.2-2009 Portable Signs, 5.3 Wind Loading

...the minimum wind-loading conditions applicable shall be those for Region A, Terrain Category 2, in accordance with AS/NZS 1170.2.

Data Signs VMS ballast tank

Other non-compliant signs

Filled with water, the ballast tanks meet the wind-loading requirements; up to 134km/h wind gusts.

Ballast tanks are now fitted as standard to all applicable products.

LED ANGLE, BRIGHTNESS

Section 3.2 of **AS 4852.2-2009 Portable Signs,** describes the *optical requirements including luminance and colour specifications.*

Data Signs' LED boards have been NATA certified to be compliant.

Data Signs Ultra-Bright LEDs

Other non-compliant signs

WebVMS2

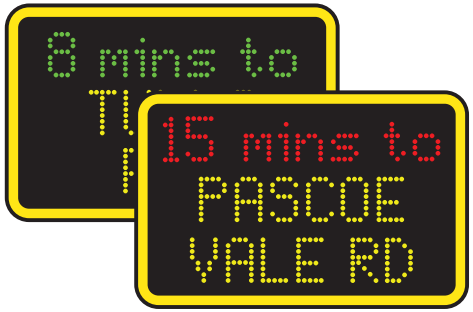

WebVMS2 by
Data Signs
AUSTRALIA
Operating System: Windows | Browser: Chrome 66
Sign List
Create Message
Message Manager
Scheduling
Radar Options
Travel Time
VSLS Manager
Admin
Saved VSLS Messages (click to load)
Step 1: Click to Add Frames
Step 2: Setup Frames (click to remove)
Step 4: Select VSLS signs
Step 3: Aerolus Setting
Step 5: Select when the message
Save Message
Clear Message
NOTIFICATIONS!
App Store
AppVMS

TRAVEL TIME

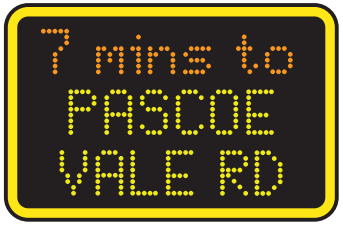
Use your Five Colour DataSign-VMS to display Travel Time data to passing drivers on a stretch of road.

The Travel Time option makes use of the GPS location of each DataSign-VMS to obtain and display the time it currently takes to travel to another DataSign-VMS or separate location.

For Example:In the map (right), Sign 1 would display:



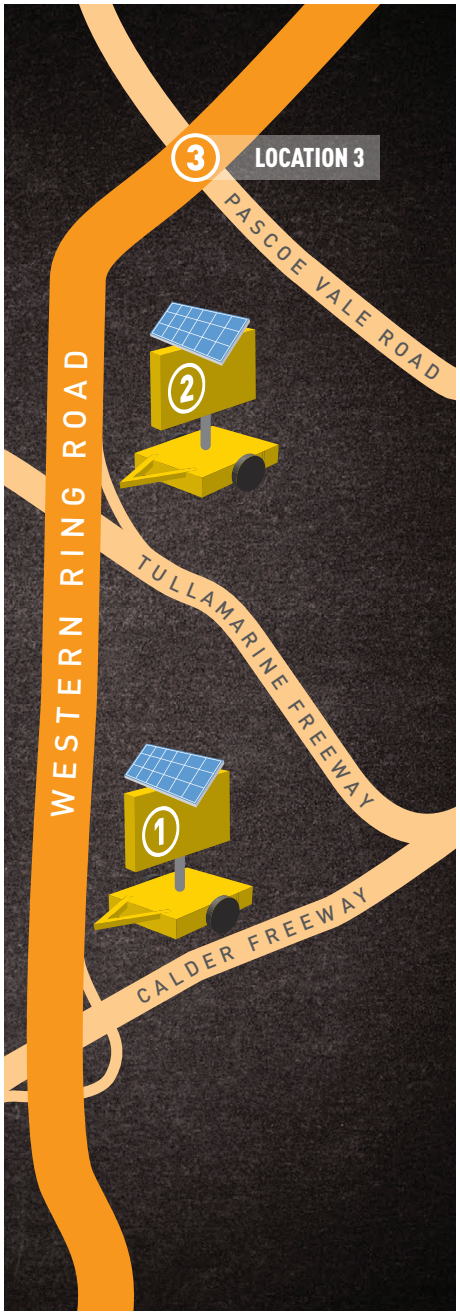
Sign 2 would display:



Time travel data is updated every five minutes and is obtained from Google's Distance Matrix (as used on Google Maps).

No additional hardware is required.

Travel Time licences are transferable from one VMS to another.



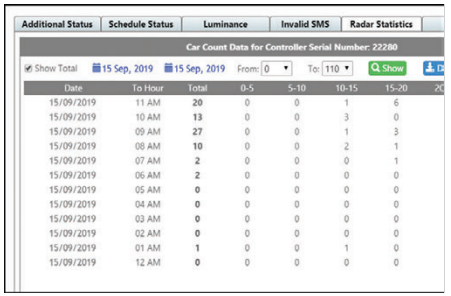
TIME & TEMP

- Display current date/time and temperature frames between each message cycle.
- Select from different date/time formats and different colours.

LTI - LOST TIME

- Shows LTI data over three frames at the end of each message cycle.
- Including the number of LTI's each Month, Days Since Last LTI, and the best Monthly record.
- Automatically increments the Days Since Last LTI value.

VEHICLE RADAR STATS



Radar Statistics is an optional feature that includes vehicle radar statistical data for each 5km/h speed bin.

- Car counting
- Vehicle speed
- Hourly
- 5km speed increments
- Downloadable.

REQUIREMENTS

These options require WebVMS2 to be activated.

Only available on RM-32B and above VMS Controller versions.

VRS requires a Data Signs Supplied Houston Radar to be installled

ARROW BOARD

The Data Signs Type-C Arrowboard is Trailer-Mounted and Solar Powered, and RMS Type Approved for use on NSW Roads. Built to Australian Standard AS 4192:2006 and Australian Design Rules for Trailer Manufacturing, our Arrowboards are an integral traffic management tool for use on roadwork sites, for event traffic control or in car parks to direct traffic.

Built for reliability and Australian conditions with a 5-year limited warranty (see T&C's). The Arrowboard has inbuilt diagnostic checks for lamp operation on start-up, and voltage-check. Very easy to operate, uses simple controls, with selectable arrow-sequence mode available for use in all applications.

Specifications include:

- Ultra-bright all-LED Arrowboard lamps
- Colour: Yellow / Black
- Display area: 2400mm wide x 1200mm high

Features include quick one-person setup, retractable towbar for smaller footprint and security, extendable outriggers for greater stability, forklift pockets for truck transport, full electric mast with hand brake, hot dipped galvanised chassis, industrial paint finish and powder coating, disc brakes and hand brake.

DATASIGN-ARROW-C

BUILT TO AUSTRALIAN STANDARD *AS4192–2006*

SIGN SIZE:	2400W x 1200H
TRAILER SIZE:	**1480W x 2300H x 3260L**
SETUP SIZE:	**1920W x 3370H x 3300L**
WEIGHT:	645KG

VARIABLE SPEED LIMIT SIGN (VSLS)

The Data Signs type C size VSLS incorporates a full matrix LED display capable of displaying alpha numeric and text data, allowing speed sizes and short safety instructions to be displayed, and a multiple ring LED annulus programmable to flash inner rings.

Our VSLS is ideal for areas requiring enforceable temporary speed limits, and is effective in reducing motorists' speed approaching roadworks and temporary speed restricted areas.

The Data Signs VSLS is programmable via our Webvms2 online platform or on site via the onboard VSLS Computer.

Features include quick one-person setup, retractable towbar for smaller footprint and security, extendable outriggers for greater stability, forklift pockets for truck transport, full electric mast with hand brake, hot dipped galvanised chassis, industrial paint finish and powder coating, disc brakes and hand brake.

DATASIGN-VSLS

BUILT TO AUSTRALIAN STANDARD *AS5156-2010*

SIGN SIZE:	1010W x 1010H
TRAILER SIZE:	1480W x 2300H x 3060L
SETUP SIZE:	1920W x 3370H x 3300L
WEIGHT:	540KG

PORTABLE TRAFFIC LIGHTS (PTL)

The Portable Traffic Lights (PTL) by Data Signs are RMS Type Approved for use on NSW Roads and built to recently updated Australian Standard AS 4191:2015 for Portable Traffic Signal Systems, and to Australian Design Rules for Trailer Manufacturing. PTL's are an integral traffic management tool for use on roadwork sites or for event traffic control. Data Signs has developed an easy-to-use Controllers for use on its traffic lights.

Dual-trailer set PTL (can be towed separately) are solar-powered with maintenance-free batteries for continuous operation. The 200mm aspects use ultra-bright LED's for optimal viewing and now include light sensing for auto-dimming. The PTL sets maintain constant RF (radio frequency) communication with the each other.

Amber rear beacon fitted as per AS 4191-2015.

Normal RF operating range is up to 1.6km line-of-sight, but with our hi-gain directional antennas installed as standard the range is extended up to 3km*, subject to environmental conditions.

Features include quick one person set-up, extendable outriggers for greater stability, forklift pockets for truck transport, full electric mast, hot dipped galvanised chassis, industrial paint finish and powder coating. An new innovative inclusion is our EasyLink™ trailer linking system.

Various operational control functions are available including multiple-set functionality for 1-4 way applications.

DATASIGN-PTL

BUILT TO AUSTRALIAN STANDARD *AS4191:2015*
TRAILER SIZE (together): 1220W x 2150H x 3050L
SHIPPING SIZE (together): 1220W x 2150H x 2070L
SETUP SIZE, Master: **1220W x 3060H x 2080L**
SETUP SIZE, Slave: **1220W x 3060H x 1260L**
COMBINED WEIGHT: 700kg (with Slave Drawbar and Spare Wheel fitted)

*Distance limited by max 'all-red time' (300 sec's) depending on speed in road works site and subject to safe work site requirements. Line-of-sight.

Optional Target Board Installed.

COMPACT PORTABLE TRAFFIC LIGHTS (PTL-CP)

Data Signs introduces the PTL COMPACT, based on the same technology that has made our trailer-based Portable Traffic Lights the market leader.

200mm PTL lanterns designed by Data Signs. Tested and certified for use.

Light sensors fitted to alter brightness depending on ambient light conditions.

Amber rear beacon fitted as per AS 4191-2015.

Easy setup in three steps and then control effortlessly via the PTL Handheld Remote, no pairing required.

DATASIGN-PTL-CP

SPECIFICATIONS

RF Range:	500m line of sight
RF Frequency:	900 MHz
Weight (per unit):	Battery/Controller Housing: 13.3kg
	Lamp Assembly: 6.9kg
	Stand: 12.2kg
	Total: 32.4kg
Base Width (extended):	2117
Height:	2820 max
Packup Dimensions:	(Both units) 1100L x 850W x 450H

INCLUDED

Battery Charger	x 2
Lantern Set	x 2
Battery Box	x 2
PTL Controller Series II	x 2
PTL Handheld Remote	x 1 (Second unit optional)
Operations Manual	

Data Signs®
AUSTRALIA
Since 1976

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