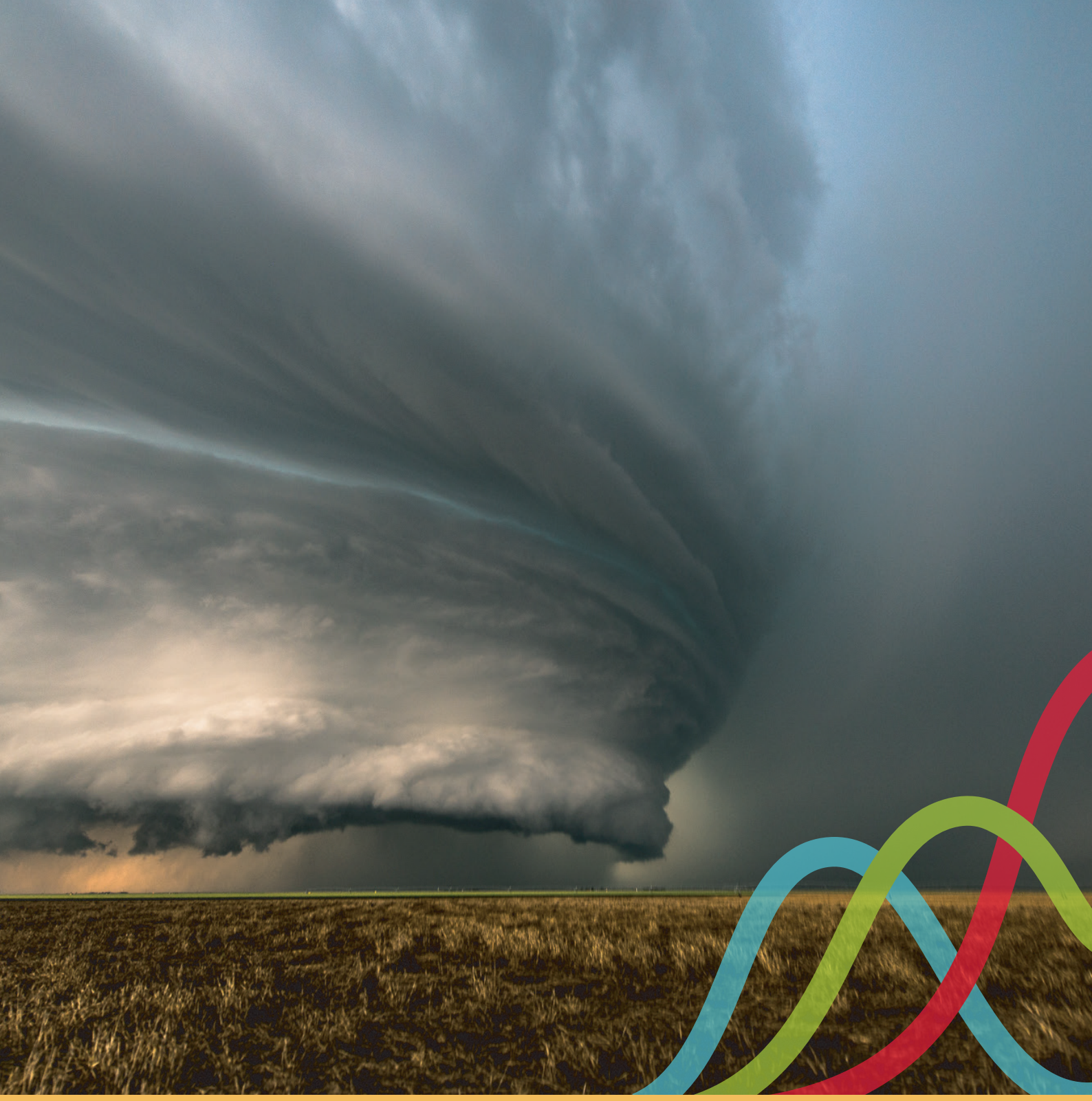


WEATHER MONITORING

MATRIX HUB

Making Monitoring Easy

WEATHER OBSERVATION SYSTEMS

RELIABLE AND ACCURATE

Reliable and accurate weather observations are an essential requirement for environmental compliance. Matrix Hub is a system that integrates multiple sensors, real-time data, graphing and reporting, as well as alerting functionality. Sensors and measurement equipment comply with international and Australian standards, seamlessly transmit data to online servers and create live monitoring views and reports.

REAL-TIME LIVE DATA AND EASY MANAGEMENT

Ensuring that real-time data is available to your key people can significantly reduce project, schedule, and financial risks associated with community upset and legislative non-conformance.

Matrix Hub weather observation systems provide immediate vision on the impacts of precipitation, wind speed and direction, temperature, humidity and barometric pressure. Real-time results, and fully automated reporting make managing impacts easy. Users can easily tag measurements as influenced by external sources and provide comments on the nature of the works during specific events. All tags and comments are automatically included in generated reports along with audit tracking of the reviewers.

UNLIMITED ACCESS

Users have access to live data anywhere in the world with an internet connection. Through the Hub, the live data from multiple projects, multiple sites, and multiple sensors are all immediately visible. Critical information is observable at a glance meaning you can keep your attention focused on where it needs to be.

AUTOMATIC REPORTING

The system automatically generates complete observation charts and wind roses that can be published and stored within the Hub and also exported as PDF documents.

Matrix Hub is the premier option for accurate, real-time environmental monitoring and reporting.

SPECIFICATIONS

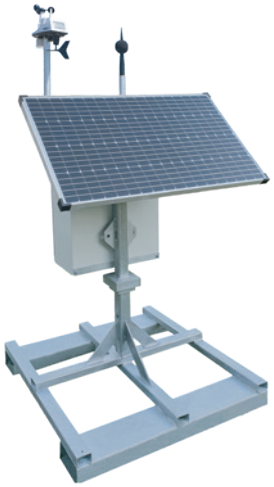
Weather monitoring stations are available in mobile and permanent configuratons and can be solar or mains powered for long term installatons.

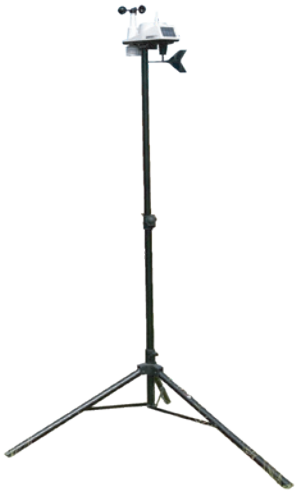
Standard integrated sensor suite from Davis Instruments includes reportng of rainfall, wind speed and direction, barometric pressure, humidity, and temperature.

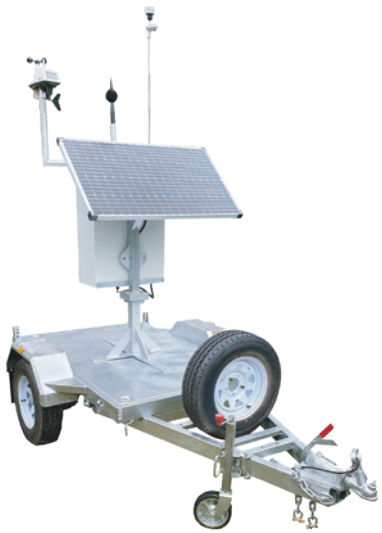
WEATHER MONITORING STATION SPECIFICATIONS

Integrated Sensor Suite (ISS)

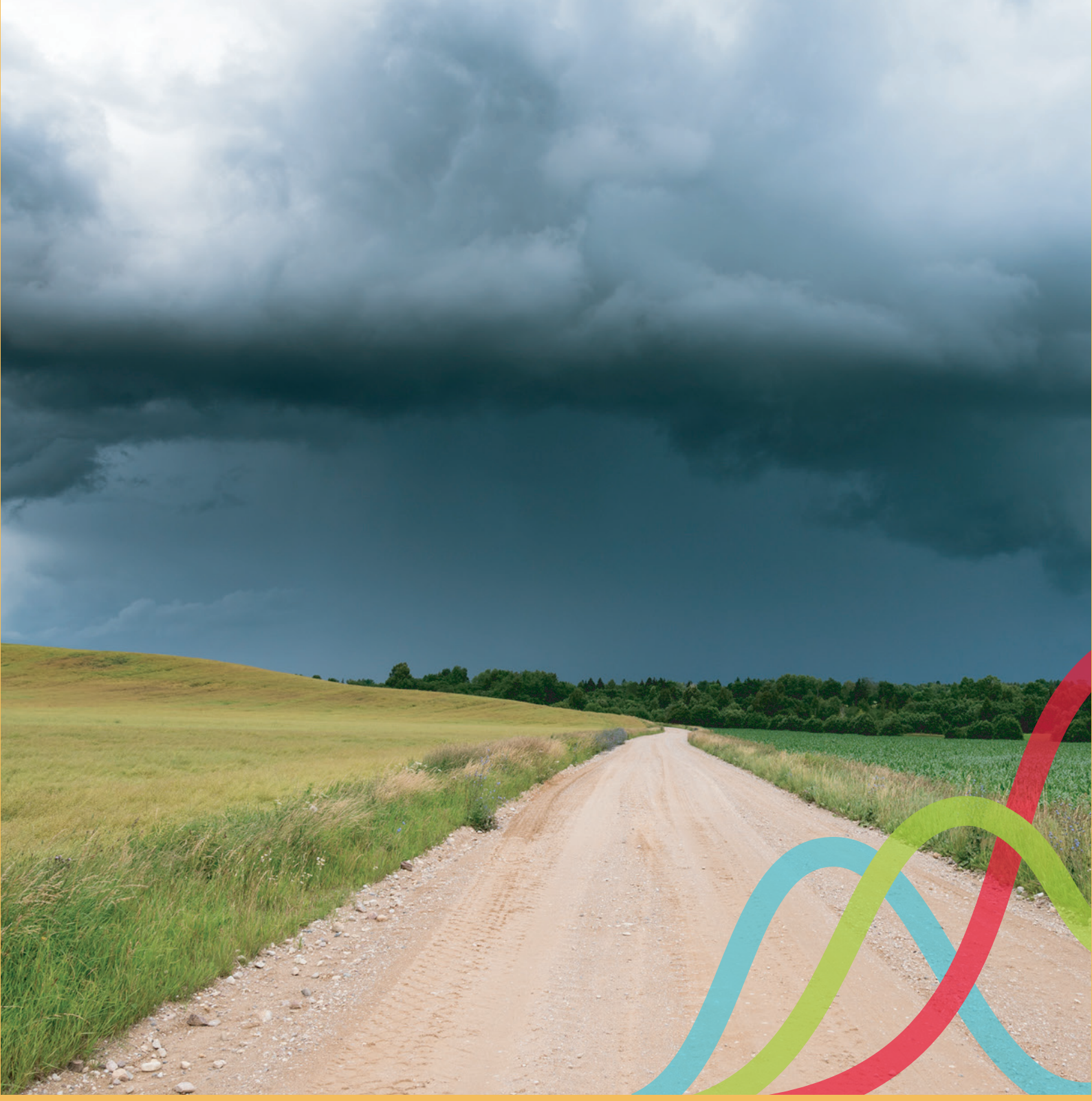
Operating Tempreture	-40° to +150°F (-40° to +65°C)
Non-operating (Storage) Tempreture	-40° to +158°F (-40° to +70°C)
Current Draw	0.20 mA (average), 30 mA (peak) at 3.3 VDC
Solar Power Panel	0.5 Watts
Battery	CR-123 3-Volt Lithium cell
Battery Life (3-Volt Lithium cell)	8 months without sunlight - greater than 2 years depending on solar charging
Wind Speed Sensor	Wind cups with magnetic detection
Wind Direction Sensor	Wind vane with magnetic encoder
Rain Collector Type	Tipping spoon, 0.01" per tip (0.2 m with metric rain cartridge, Part No. 7345.319), 18.0 in^2 (116 cm^2) collection area
Tempreture Sensor Type	PN Junction Silicon Diode
Relative Humifity Sensor Type	Film capacitor element
Houseing Material	UV-resistant ABS & ASA plastic
ISS Dimensions	12.95" x 5.75" x 13.40" (329mm x 146mm x 340mm)
Package weight:	5.44 lbs (2.47kg)







Specifications are subject to change without notification.



Matrix Hub is proudly designed, built, and coded in Australia. Our industry associations and connections have helped shape Matrix Hub into a globally leading environmental monitoring platform. **We greatly value these associations.**

MATRIX HUB

Making Monitoring Easy

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