

# Vaisala AviMet® AWOS

/ FULL CAR120 COMPLIANCE FROM DAY ONE



**VAISALA**

# The complete CAR120-compliant AWOS solution

*The Australian Civil Aviation Safety Authority's CAR120 regulation places strict responsibilities on airport operators with regard to their automated weather reporting. With a Vaisala AviMet® AWOS you can eliminate the time and hassle of seeking and maintaining certification yourself. As a fully CAR120-compliant solution, AviMet® AWOS meets all of the Bureau of Meteorology's requirements for aviation weather observation data.*

## In Australia, weather data provided for aviation purposes must comply with CAR120. This means that:

- Operators and pilots are required to use data and reports that have been approved by the Director of Meteorology or a person approved by the Civil Aviation Safety Authority.
- Operators and pilots who use data that is not CAR120 compliant are in breach of the regulations and liable for prosecution.
- Weather data from non-compliant stations will not be used by the BOM, who will therefore not provide METAR reports for the airport in question.

## Improve safety and efficiency with accurate data

To keep your airport safe – and operational – you need to provide certified weather data. Vaisala AviMet® AWOS is a fully configurable system for collecting, processing, and displaying real-time meteorological data. With reliable and accurate weather observations at your fingertips, you can ensure the safety and efficiency of airport operations in the most cost-effective way possible.

Over the last 40 years, Vaisala has provided over 1,700 AWOS solutions to more than 90 countries. Our Vaisala AviMet® AWOS systems are designed to be flexible, with a modular design that grows with your airport. Besides basic weather parameters, they can also

be customized to monitor runway surface conditions and detect lightning.

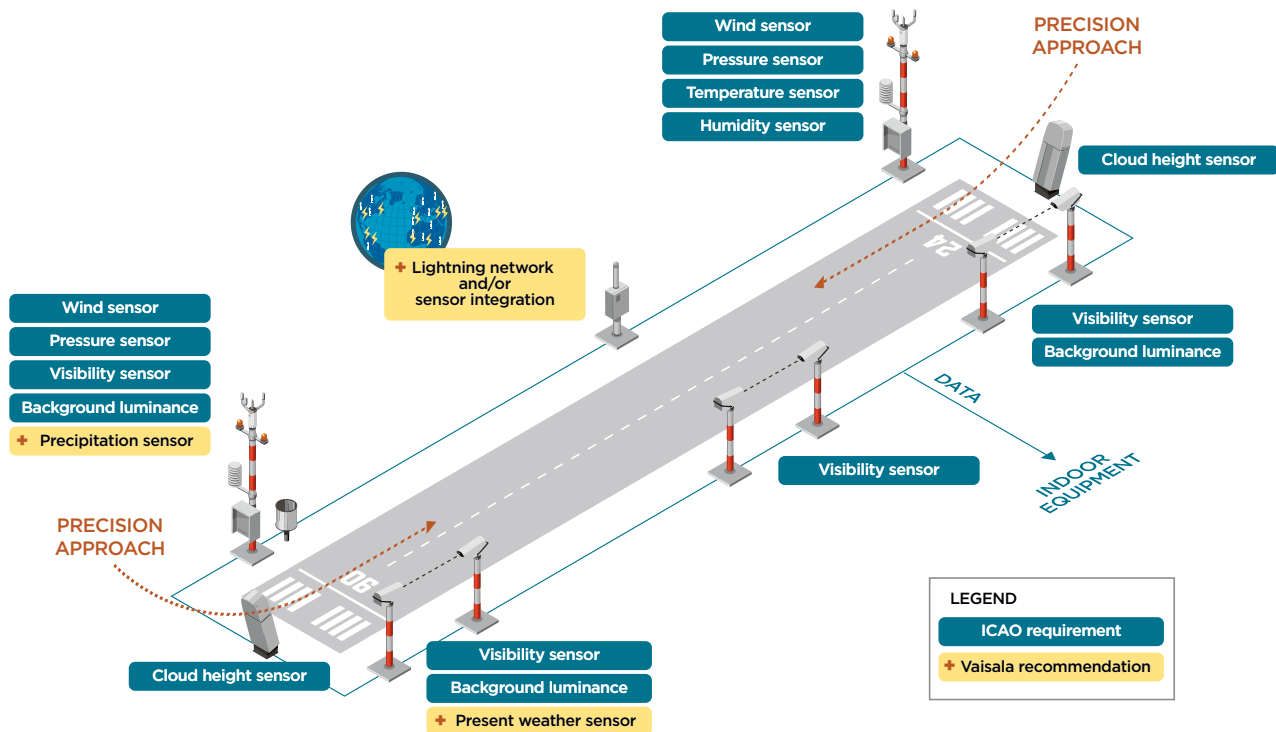
## Meeting the demands of CAR120

As detailed in the chart below, Vaisala is the only supplier that fulfills all four stages (equipment, installation, maintenance, and operations) required by the BOM to meet the CAR120 criteria. We meet all the critical data requirements for measurement, siting, quality, and reporting standards.

CAR120-compliant maintenance and operations continue after the AWOS has been installed. These responsibilities must be carried out by CAR120-certified personnel and include performance checking, meta-data records keeping, continuous monitoring, audits, and exposition of compliance updates.

## Only Vaisala fulfills all four stages of the BOM criteria

Equipment (CAR120 – Supplier)	Installation (CAR120 – Installer)	Maintenance (CAR120 – Maintainer)	Operations (CAR120 – Operator)
<ul style="list-style-type: none"><li>■ CAR120-certified equipment</li><li>■ CAR120-certified supplier</li></ul>	<ul style="list-style-type: none"><li>■ BOM-approved installation &amp; commissioning, meeting all relevant standards</li><li>■ Site surveys &amp; meta data collection</li><li>■ Record keeping</li><li>■ Notification process</li><li>■ CAR120-certified installer</li></ul>	<ul style="list-style-type: none"><li>■ Sensor performance checks</li><li>■ Preventative &amp; corrective maintenance</li><li>■ Maintenance &amp; meta data record keeping</li><li>■ CAR120-certified maintainer</li></ul>	<ul style="list-style-type: none"><li>■ Continuous system monitoring</li><li>■ Site inspections &amp; audits</li><li>■ Service failure and maintenance notifications</li><li>■ Annual CAR120 audits (internal)</li><li>■ Bi-annual CAR120 audits (BOM)</li><li>■ Exposition of compliance updates</li><li>■ CAR120-certified operator</li></ul>



Vaisala AviMet® AWOS is a fully configurable, modular system that fulfills the needs of both large and small airports. It is compliant with ICAO and CAR120 regulations.

## Fully compliant data and reports from day one

CAR120 requires that pilots use only authorized weather data for flight planning and operation. With a Vaisala AviMet® AWOS system in place, your airport is immediately compliant. Our complete turnkey solution gives you comprehensive support on everything from installation and training to maintenance, monitoring, and system auditing. This eliminates the many months of paperwork and hassle associated with seeking and maintaining certification yourself.

## Comprehensive ongoing support

Get expert technical support when you need it, prompt repair and maintenance, and full inspection and auditing services for compliance purposes. Increased reliability is ensured with 24/7 helpdesk support and remote monitoring and diagnostics for your AWOS.

## Typical AWOS components

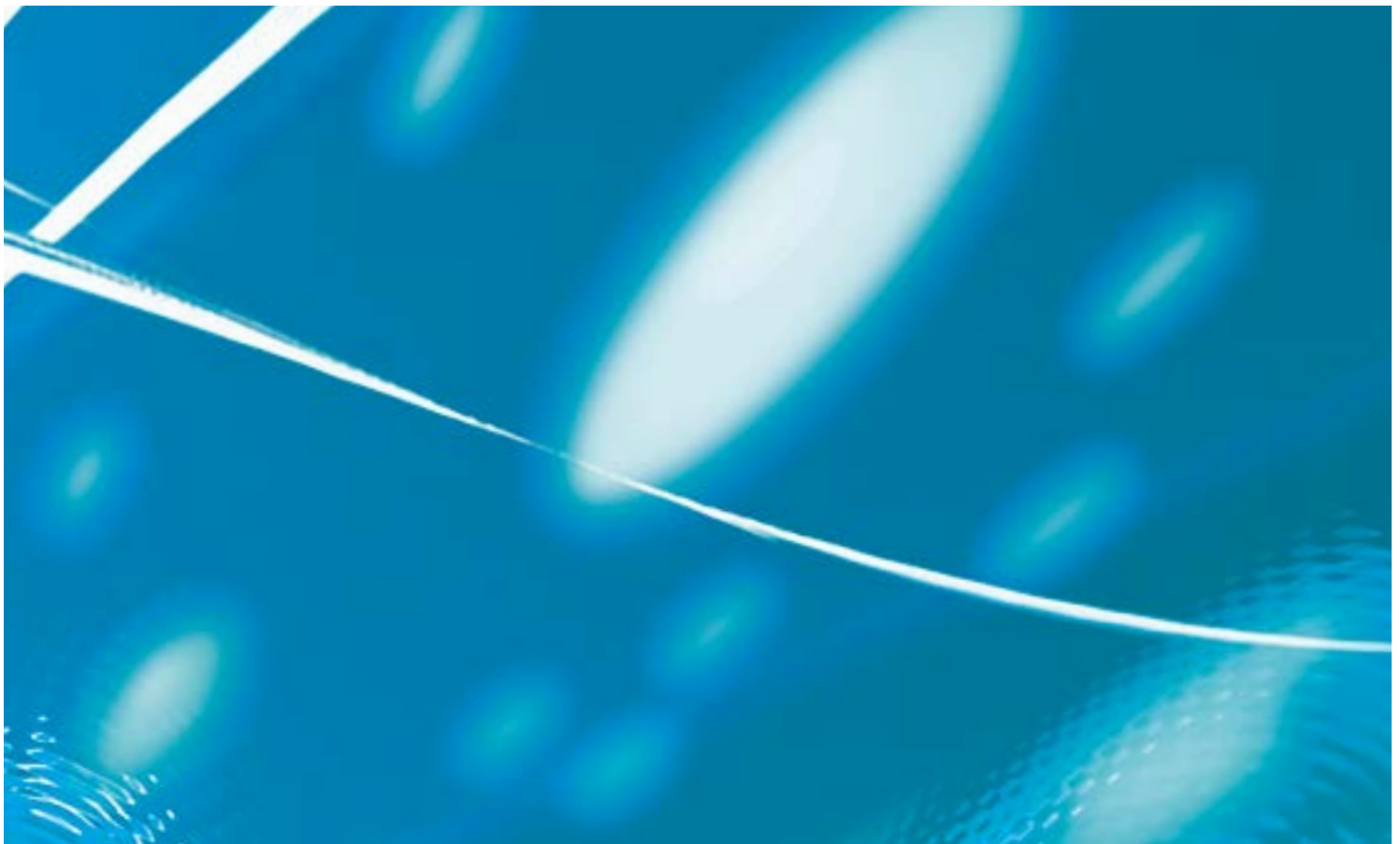
A typical AWOS installation comprises sensors located along the runway, one or two central data unit (CDU) computers, and user workstations.

- Runway sensors measure variables such as wind speed and direction, precipitation, visibility, present weather, cloud layer/ceiling, and runway visual range (RVR)
- A central data unit computer for data collection, meteorological calculations, ICAO report generation, system diagnostics, and data storage
- Workstations for providing observers, forecasters, and other airport staff with system access

Find out more at  
[www.vaisala.com/airports](http://www.vaisala.com/airports)

## Benefits

- Ensure your airport remains operational – vital for fly-in fly-out operations, where aircraft diversions may result in lost production
- Save time – skip the time-consuming operator-certification process by using Vaisala's certificate
- Timely and accurate decision-making based on reliable weather data
- CAR120-compliant weather observation data from day one
- Complies with ICAO and WMO measurement standards
- 24/7 technical support and remote diagnostics for more reliable operation and to maintain data quality
- Comprehensive repair and maintenance service
- Full support available for maintaining data traceability, as well for archiving, auditing, and site inspection



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[www.vaisala.com/airports](http://www.vaisala.com/airports)

For more information:  
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