

CSAT3 Series | A Legacy Measured in Decades and Data

The Backbone of Global Flux Research

Since 1995, the CSAT3 series has been a fixture of global flux research. From eddy covariance to turbulence studies, high-quality sonic wind speed and direction starts with the CSAT3 family. Every iteration of the CSAT3 has been shaped by what we've learned in the field—and from the researchers who depend on the instrument for reliable, accurate data.



100+ peer-reviewed

publications using the CSAT series



Most deployed

sonic anemometer in the
AmeriFlux network



47/47 of NEON's

terrestrial tower sites equipped
with a CSAT in the series

CSAT3C | The Next Evolution of a Proven Platform

Decades of Insight, Built In

More than 30 years of feedback culminates in the CSAT3C, a durable and accurate 3-D sonic anemometer built for the realities of harsh field deployments.



Campbell Shield™

Same proven measurement foundation | Campbell Shield™ tough hardware

The CSAT3C is designed for deployments that can't afford flow distortion. It carries forward the field-proven CSAT design with meaningful advancements in long-term field durability.

Completely dust-tight and water-resistant

IP67-rated connectors, sealed even when unmated, means the CSAT3C will do more than just weather the storm...it'll measure it.

Built to withstand harsh environments without breaking down

Upgraded transducer coatings provide confidence that your CSAT3C will perform reliably season after season.

Real-time, high-speed insights

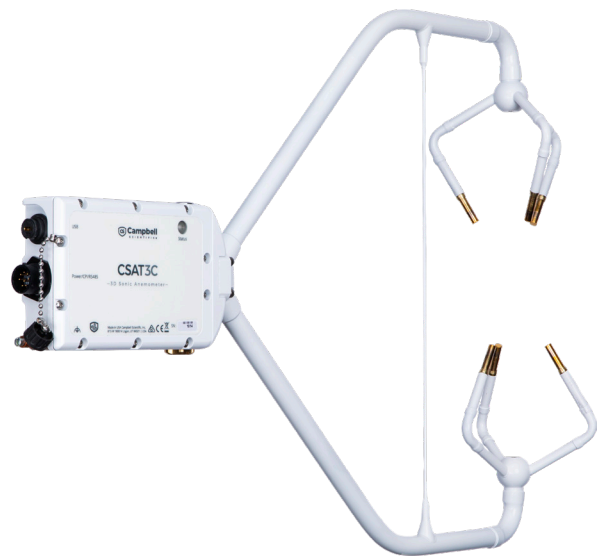
A 100 Hz output ensures accurate measurement of rapidly evolving environmental conditions.

Simplified installation by design

A new, standardized single-cable architecture makes installation seamless.

Expert support, available locally

With multiple regional offices all over the world and dozens of partners, we bring our expert practitioner bench to your doorstep.



See the full details on the CSAT3C web page or connect with our team.



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