



## Upgrade Guide CSAT3B to CSAT3C

Every iteration of the CSAT3 series has been shaped by what we've learned in the field. The CSAT3C is the most durable result of that process yet.

Built around the proven CSAT3 measurement geometry, version 5 algorithm, and full specifications that researchers have trusted in over 100 peer-reviewed studies, the CSAT3C brings long-term durability upgrades that will benefit your monitoring strategy for years to come.

	CSAT3B	CSAT3C
<b>Measurement Performance</b>		
Output Rate	Up to 100 Hz	Up to 100 Hz
Signal Processing Algorithm	Version 5	Version 5
Measurement Geometry	Non-orthogonal CSAT3 form factor and boom design	Non-orthogonal CSAT3 form factor and boom design
<b>Connectivity and Communications</b>		
CPI Interface	✓	✓
RS-485 ASCII Output	✓	✓
SDM Interface	✓	-
Cable Architecture	Two cables	Single cable (new)
Connectors	Non-waterproof	IP-67 rated (improved)
USB Port	Mini-B USB	USB-C (improved)
<b>Durability and Environmental Protection</b>		
Housing Finish	Painted	Improved UV and impact-resistant coating
Transducer Coating	Standard	Upgraded for demanding environments

## Built on what works. Improved where it matters.

*"The CSAT3 has become the gold standard for 3-D wind measurement. What I like most about the CSAT3C is that we were able to make meaningful improvements in durability and usability while preserving the measurement quality and data continuity researchers depend on."*

– Matthew Perry, CSAT3C Product Manager

## Upgrading from the CSAT3B?

### Choosing the Right Cable

The CSAT3C's single cable architecture makes spare management and field installation easier than ever before. Choose between one of two options: the armored CPIPCBL1 or the non-armored CPIPCBL2. Whether you decide to use the armored or non-armored option, the cables are available in standard five-, ten-, or twenty-meter lengths, or in custom lengths.

### Your Upgrade Path

- **If you're using CPI or RS-485**, the new CSAT3C is a simple, drop-in replacement for its predecessor.
- **If you're using SDM**, the CSAT3B is available in limited quantities until December 2026.

Contact us to plan your transition.



Learn more about how the CSAT3C has changed the standards you should expect in 3-D wind measurement.



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