


ADCP VERIFICATION SERVICE

Cost effective and reliable verification of ADCP function

ADCP Verification Service

Approved by Teledyne RD Instruments, the UVS ADCP Verification & Validation Service provides a cost effective, rapid and reliable way to determine the status of your ADCP instruments. ADCPs do not require calibration, however, continual verification is recommended to:

- Ensure that instruments are operating correctly
- Build confidence in instruments
- Identify & correct issues before deployment



Cost effective and reliable verification & validation of ADCPs to assure quality data

“Verification and Validation are independent procedures that are used together for checking that a product, service, or system meets requirements and specifications and that it fulfills its intended purpose. These are critical components of a quality management system such as ISO 9000.”

Quality
ISO 9001
SAI GLOBAL

ADCP Data Assurance

Many ADCP operators are now aware of the need to ensure high quality and consistent data resulting from ADCP measurements and are seeking to continuously improve the quality of data gathered. Checking the status of your ADCP is the first step in ensuring a high quality results from expensive and time consuming at-sea measurements. The UVS ADCP Verification & Validation Service provides you with confidence in the status of your instrument before you mobilise for at-sea operations.

Authorised Service Centre

UVS is an Authorised Service Centre for ADCP verification, upgrade, modification, repair and validation. Our service technicians are factory-trained by Teledyne RDI and are backed up by our engineering team with extensive knowledge of ADCP applications and issues. ADCPs used for our “at sea” testing have been verified against Teledyne RDI ADCPs and are regularly tested at Teledyne’s facility.

The UVS ADCPs Verification & Validation Service provides service levels to suit your needs.



“Calibrate once, Verify & Validate consistently”

Laboratory Check

The Laboratory Check is ideal to build confidence in your ADCP with a fast turnaround and thorough inspection by our experienced technical staff. If we find any issues we will contact you and discuss the way forward. Many faults, upgrades and repairs can be immediately addressed using the capability of our workshops. Your ADCP will be back in service with no delays or costs for overseas shipping.

The Laboratory Check encompasses:

- Complete visual inspection
- Cleaning & removal of bio-fouling
- Polishing and cleaning of transducer faces
- Functional test
- Beam crosstalk check
- Compass calibration
- Battery check
- Firmware check
- Static tank beam test
- Comparison with baseline test data
- Full reporting

Field (In Water) Check

For complete verification of your ADCP we recommend a Field (In Water) Check. IN preparation for this check all of the Laboratory Checks will first be completed and the results will be discussed with you.

When Laboratory Checks are successfully completed the Field (In Water) Check can be planned. Your ADCP will be mounted in our specialised Research Vessel for a “side-by-side” comparison with a UVS “Gold Standard” ADCP. Our Gold Standard ADCPs are regularly checked by testing at the Teledyne RDI facilities in San Diego.

The Field (In Water) Check encompasses:

- All Laboratory checks
- Moving boat side-by-side comparison of your ADCP with UVS “Gold Standard” ADCP
- Complete check all ADCP function and performance characteristics
- Full reporting