

# SV•Xchange™

## Exchangeable Sound Velocity Sensors

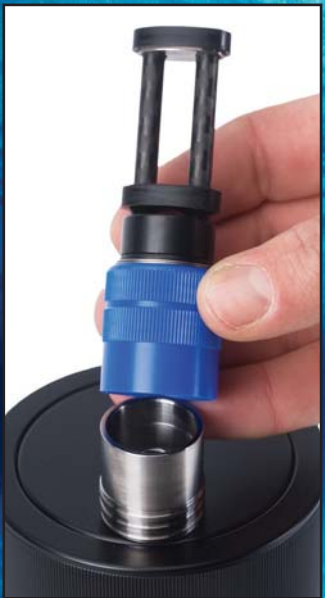
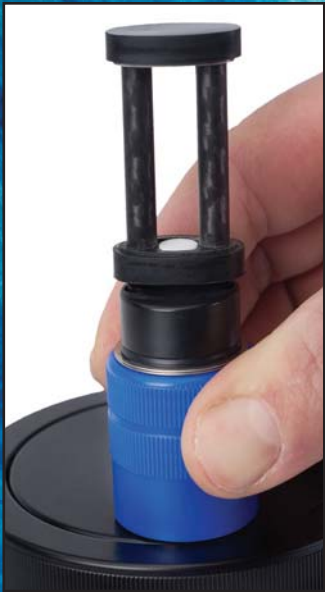
SV•Xchange™ is the industry's only field-swappable sound velocity sensor. Any SV•Xchange™ sensor can be connected to any Xchange enabled instrument - when you want, where you want - without compromising calibration accuracy.

### Key Benefits:

- *Increased Instrument Field Time:* At time of recalibration, spare calibrated sensors can be shipped to the instrument, allowing the instrument to stay in the field.
- *Lower Cost of Ownership:* Tiny sensors – not heavy instruments – travel to and from the factory, generating dramatic savings in shipping costs and brokerage fees.
- *Greater Convenience:* Recalibrated sensors can be scheduled for just-in-time delivery, eliminating the headache of managing calibration expiry dates.
- *Increased Flexibility:* Damaged or out-of-calibration sensors can be swapped for field-ready spares on board the survey vessel.

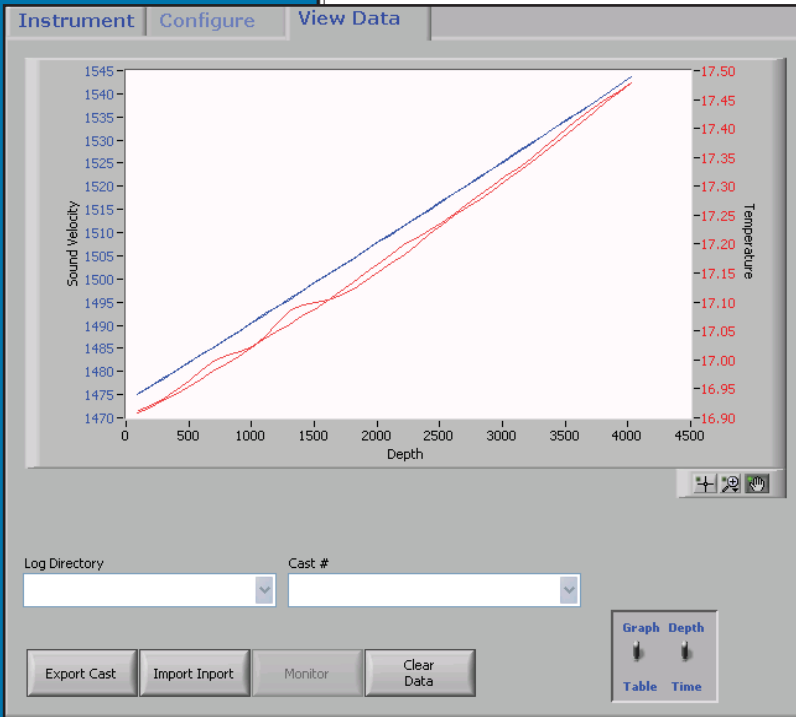
### Key Features:

- *Field Swappable:* Any SV•Xchange™ sensor can be used on any Xchange enabled instrument without compromising accuracy. Sensors can be swapped in minutes, without special tools.
- *Embedded Calibration:* SV•Xchange™ sensors have on-board intelligence that allows calibration coefficients and other critical calibration information to travel with the sensor.
- *Data Traceability:* All data files automatically include the SV•Xchange™ sensor serial number and its calibration date, assuring traceability of profile data.
- *Greater Accuracy & Precision:* SV•Xchange™ sensors offer improved performance, with accuracies of 0.025 m/s and a precision of 0.006 m/s.
- *Extreme Environments:* The intelligent measurement algorithm on board the SV•Xchange™ assures extended operability in conditions of high turbidity or biofouling, particularly useful for dredging operations.



# SV•Xchange™

Exchangeable Sound Velocity Sensors



## Software Features:

Instruments shipped with SV•Xchange™ sensors come with SeaCast, Applied Microsystems' new application software.

Key features include:

- No separate instrument configuration file required
- Print sensor calibration certificates on demand
- Easy-to-use instrument set-up tab
- Download and review casts in table or graph format
- Export / import casts from text format

For more information on SeaCast, please visit our website at:  
[www.appliedmicrosystems.com/svxchange](http://www.appliedmicrosystems.com/svxchange)

## Ordering Codes:

- XCH-SU001: SV•Xchange™ option on instrument (includes first SV•Xchange™ sensor)
- XCH-SU002: One spare SV•Xchange™ sensor scheduled for immediate delivery
- XCH-SU003: One spare SV•Xchange™ sensor scheduled for future just-in-time delivery

\*specifications subject to change without notice

	Range	Precision	Accuracy	Response	Resolution
SV•Xchange™	1375 to 1625 m/s	+/-0.006 m/s	+/-0.025 m/s	47 microseconds	0.001 m/s
Composite Sensor	1400 to 1600 m/s	+/-0.03 m/s	+/-0.05 m/s	47 microseconds	0.015 m/s
Invar Sensor	1400 to 1550 m/s	+/-0.03 m/s	+/-0.05 m/s	145 microseconds	0.015 m/s

# APPLIED MICROSYSTEMS



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