

AML Oceanographic offers a variety of sensors including sound velocity, conductivity, temperature, pressure, and turbidity sensors. In addition, we welcome requests to customize mechanical packaging, firmware, or electronics to meet specific application requirements.

Our X•Series instruments and Xchange™ sensors offer unprecedented flexibility to OEM partners. X•Series oceanographic instruments enable changing an instrument's sensor-load, in-the-field and on-demand, maximizing the utility of each instrument. Xchange™ sensors are field-swappable and contain embedded calibration information.

Three Unique Advantages of Xchange™ for OEM Customers

System Uptime

- A recalibrated sensor can replace an older sensor-head in the field.
- A damaged sensor can be swapped for a functioning spare.
- Sensor spares can be ordered for same day dispatch.
- New sensors install in minutes without any electronics removal.

Design Flexibility

- Integration of a maximum of two Xchange™ sensor boards is all that is needed to offer any combination of sound velocity, conductivity, temperature, pressure, and turbidity.
- Bring the benefit of being able to field-swap sensor types and ranges to your customers.
- Simply blank the port if not in use.

Lower Costs

- Integrated solution reduces redundancy of packaging, connectors, and cables.
- OEM components are priced competitively.
- Easily offer multiple solutions from minimal stock
- Inventory requirements drop; delivery accelerates.



C•Xchange™ OEM Kit



SV•Xchange™ OEM Kit



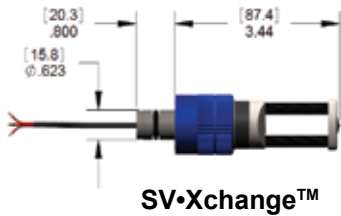
P•Xchange™ OEM Kit



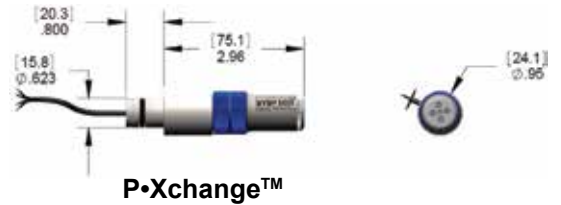
T•Xchange™ OEM Kit



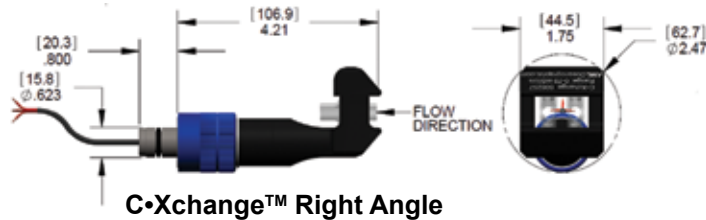
Tu•Xchange™ OEM Kit



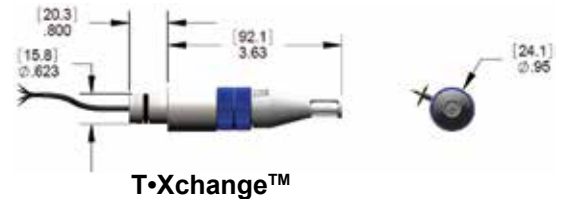
SV•Xchange™



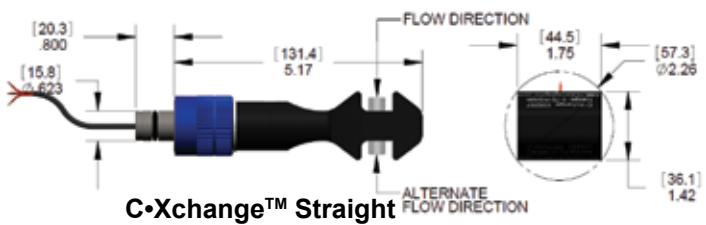
P•Xchange™



C•Xchange™ Right Angle



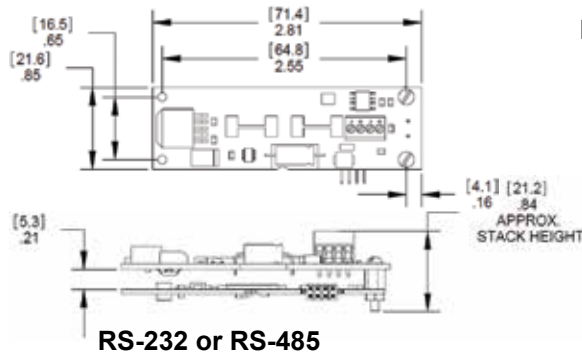
T•Xchange™



C•Xchange™ Straight

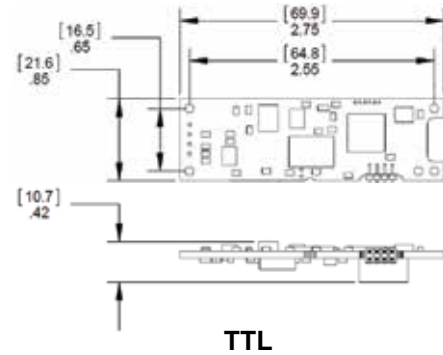


Tu•Xchange™



RS-232 or RS-485

Electronics



TTL

Dimensions are shown for reference only and are subject to change without notice. Please contact AML Oceanographic regarding your OEM application.

Parameter	¹ Range	Precision	Accuracy	Resolution	Response
Xchange™					
² C•Xchange™	0 to 70 mS/cm	+/-0.003mS/cm	+/-0.01mS/cm	0.001mS/cm	25ms at 1m/s flow
SV•Xchange™	1375 to 1625 m/s	+/-0.006 m/s	+/-0.025 m/s	0.001 m/s	47 microseconds
P•Xchange™	Up to 6000 dBar	+/-0.03%FS	+/-0.05%FS	0.02%FS	10 milliseconds
T•Xchange™	-2 to 32°C	+/-0.003°C	+/-0.005°C	0.001°C	100 milliseconds
Tu•Xchange™	up to 3000 NTU	up to +/- 3%NTU	up to +/- 3%NTU	up to 0.5NTU	<0.7s (3s to 95%)

All specifications subject to change without notice.

¹ Common ranges listed; additional ranges available. Please contact us.

² Stability is +/-0.003 mS/cm/month when combined with UV•Xchange.

T: +1-250-656-0771 E: sales@AMLOceanographic.com

T: +1-800-663-8721 (NA) W: www.AMLOceanographic.com

F: +1-250-655-3655

2071 Malaview Avenue Sidney, British Columbia Canada, V8L 5X6

