

Micro•X is a real-time, single parameter instrument that allows you to field-swap the instrument's sensor-load. Within a given sensor type, range can be swapped, a feature that is particularly useful in various measurement applications.

This instrument is available in two configurations:

- 1 - Compatible with Sound Velocity or Conductivity Xchange™ sensors
- 2 - Compatible with Temperature, Pressure, and Turbidity Xchange™ sensors, and UV•Xchange™ biofouling control modules

Like all other X•Series instruments, Micro•X uses Xchange™ field-swappable sensors. This means that sensor heads can be shared with other instruments, regardless of instrument size or type. Total flexibility - of instrument model, of sensor type, and of sensor range - ensures that the right instrument is always available.

Field-swappable sensors also streamline recalibration: instead of sending the entire instrument back to a recalibration centre, calibrated sensor-heads can be sent to the instrument. Changing sensors is easy: simply unscrew one sensor-head and replace it with another.



C•Xchange™



SV•Xchange™



P•Xchange™



T•Xchange™



Tu•Xchange™



UV•Xchange™

Key Benefits:

- Greater flexibility: Each instrument can multi-task at multiple ranges, assuring greater usage.
- Right instrument always ready: Calibrated sensors are shared amongst all X•Series instruments, ensuring that the right instrument is always field-ready.
- Reduced downtime: Recalibrated sensors sent to the instrument means the instrument never leaves the field for recalibration.
- Reduction in transport and logistics costs: Instruments can be recalibrated without return to a calibration centre.
- Greater system redundancy: Mobility of sensor-heads and modularity of instruments minimizes the risk of downtime on the vessel.
- Streamlined management: Less time spent administering instrument recalibration and certification requirements.

Xchange™ Field Swappable Sensors:

- Field-swap any sensor with another sensor of its own type, regardless of range
- Unlike other X•Series instruments, the Micro•X is sensor specific, meaning that sensor type cannot be changed
- Each Xchange™ includes its own embedded calibration
- Sensors exchange without use of tools

Data & Sampling:

- User configurable by time
- Scan up to 25 Hz
- Communications: Factory Set RS232 or RS485
- Voltage: Externally Powered 8-26 VDC
- Current: Variable depending on sensor configuration

Mechanical:

- Housing: Acetal to 500m, Titanium to 6,000 m
- Size: 33 mm (1.3") diameter x 191 mm (7.5") OAL
- Weight: in air: 0.24 kg (0.52 lb), in water: 0.09 kg (0.2 lb)
- Connectors: Subconn MCBH-6FS
- Storage Temperature: -40°C to 60°C
- Operating Temperature: -20°C to 45°C

Accessories:

- Instrument suspension bar
- Instrument protection frame
- Mounting brackets
- Data/Power cable, various lengths 2m and greater

Software:

- Seacast software included for use on PC or laptop. Features of Seacast include instrument set up, calibration information, sampling mode selection, data review, graphing, and data

Parameter	Range	Precision	Accuracy	Resolution	Response
Xchange™					
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 +/- 0.1NTU	up to +/- 1%NTU	up to 0.01NTU	<0.7s (3s to 95%)

X•Series instruments do not come with sensor-heads; please order them separately.
Other ranges are available; please contact us. All specifications subject to change without notice.

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

