

Metadata

Standardized Instrument Name	
Scheme URI	
Term URI	
Instrument DOI	
Instrument Unique ID	
ID Type	
Model No.	8050
Instrument Type	Baseline
Description	The Model 8050 pCO ₂ Measuring System is an autonomous analytical system for measuring carbon dioxide in oceanic surface water. The system is modeled after instruments previously built by Craig Neill/University of Bergen. The system may be used on a ship underway or, on a variety of at-sea platforms. The present pCO ₂ system operates fully automatically
Manufacturer	General Oceanics
Manufacturer type	Organizational
Notes	The pCO ₂ system instrument is located in the engine room of the CCGS Amundsen.
Sensor Details	
Sensor Details 1	
Instrument Sensor Name	Pressure (Flow)
Instrument Sensor Serial No.	
Sensor Range	0 -10 dbar
Sensor Sensitivity	
Sensor Units	dbar
Last Calibration Date	

Sensor Details 2

**Instrument
Sensor Name** Temperature

**Instrument
Sensor Serial
No.**

Sensor Range -3 - +50 _C

**Sensor
Sensitivity**

Sensor Units degrees C

**Last Calibration
Date**

Sensor Details 3

**Instrument
Sensor Name** Conductivity

**Instrument
Sensor Serial
No.**

Sensor Range 0 - 64 mS/cm

**Sensor
Sensitivity**

Sensor Units mS/cm

**Last Calibration
Date**

Sensor Details 4

**Instrument
Sensor Name** Oxygen

**Instrument
Sensor Serial
No.**

Sensor Range 0 - 25 ppm, 0 - 250% sat.,

**Sensor
Sensitivity**

Sensor Units ppm, %

**Last Calibration
Date**

Sensor Details 5

**Instrument
Sensor Name** pH

**Instrument
Sensor Serial
No.**

Sensor Range 0- .14 pH

Sensor Sensitivity

Sensor Units pH

Last Calibration Date

Sensor Details 6

Instrument Sensor Name Redox

Instrument Sensor Serial No.

Sensor Range -1000 to +1000 mV

Sensor Sensitivity

Sensor Units mV

Last Calibration Date

Related Datasets

Title Carbon Sampling Data

URL <https://lwbin-dev.ad.umanitoba.ca/data/dataset/carbon-sampling-data>

Campaigns

Title 2018 Spring Hudson Bay Wide CCGS Amundsen Campaign

URL <https://lwbin-dev.ad.umanitoba.ca/data/campaign/2018-spring-hudson-bay-wide-ccgs-amundsen-campaign>

Title 2017 Winter Nelson Estuary Landfast Ice Survey

URL <https://lwbin-dev.ad.umanitoba.ca/data/campaign/2017-winter-nelson-estuary-landfast-ice-survey>

Title 2017 Winter Churchill River and Mobile Ice Survey

URL <https://lwbin-dev.ad.umanitoba.ca/data/campaign/2017-winter-churchill-river-and-mobile-ice-survey>