

# Metadata

<b>Standardized Instrument Name</b>	
<b>Scheme URI</b>	
<b>Term URI</b>	
<b>Instrument DOI</b>	
<b>Instrument Unique ID</b>	
<b>ID Type</b>	
<b>Model No.</b>	8050
<b>Instrument Type</b>	Baseline
<b>Description</b>	The Model 8050 pCO <sub>2</sub> 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 <sub>2</sub> system operates fully automatically
<b>Manufacturer</b>	General Oceanics
<b>Manufacturer type</b>	Organizational
<b>Notes</b>	The pCO <sub>2</sub> system instrument is located in the engine room of the CCGS Amundsen.
<b>Sensor Details</b>	
<b>Sensor Details 1</b>	
<b>Instrument Sensor Name</b>	Pressure (Flow)
<b>Instrument Sensor Serial No.</b>	
<b>Sensor Range</b>	0 -10 dbar
<b>Sensor Sensitivity</b>	
<b>Sensor Units</b>	dbar
<b>Last Calibration Date</b>	

## 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/en/dataset/carbon-sampling-data>

## Campaigns

**Title** 2018 Spring Hudson Bay Wide CCGS Amundsen Campaign

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