



Solid Standard Installation Instructions

Introduction

The Solid Standard (P/N: 2300-900), for the C3 Submersible Fluorometer, provides a very stable fluorescent signal, which can be adjusted to:

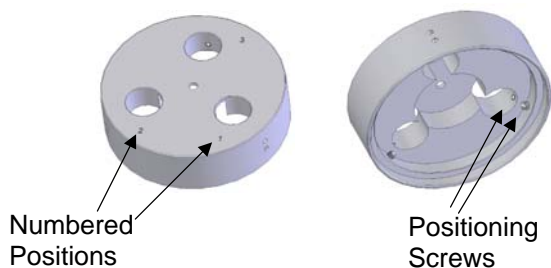
Match a specific sample
Create a calibration correlation

Once a correlation is established between the Solid Standard and a liquid primary standard or typical sample, it can be used for future calibrations. The Solid Standard can also be used as a stable reference point for checking signal stability and/or instrument drift.

Benefits

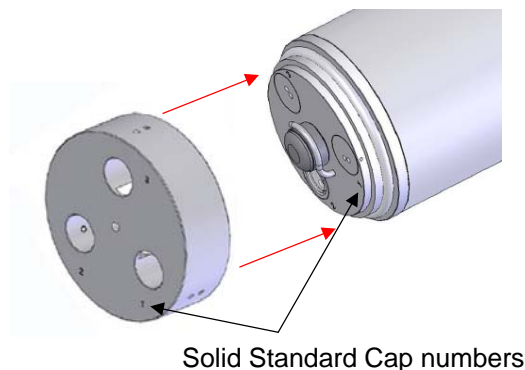
- Adjustable for a range of concentrations
- Can be used for quick and easy calibration
- Can be used for multiple sensors
- Set screws ensure accurate positioning

Features

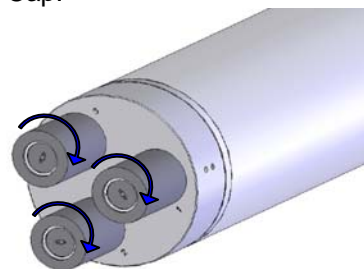


Installation

- 1) Align Solid Standard Cap numbers with C3 sensor head numbers and snap on the Solid Standard Cap.



- 2) Slightly rotate cap until it is set into position. *Note: you will feel/hear a click when cap is positioned.*
- 3) Insert up to 3 Solid Standards into the desired optical port position of the Solid Standard Cap.



- 4) Rotate the Solid Standards until they set into position. *Note: You will feel/hear a click when the Solid Standard is positioned.*

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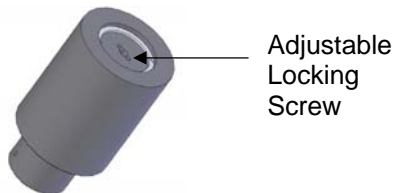
Reliable Instruments for an Unreliable World
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Solid Standard Installation Instructions

To adjust each solid standard, use the green screwdriver to unscrew the locking nut as far as it will go.



To change the signal level, insert the green screwdriver through the hole in the locking nut. Rotate it until it engages with the adjustment screw that is beneath the locking nut.

The signal can be adjusted to desired reading by turning the screw.

Once the desired reading has been obtained, the locking nut should be screwed down so that the adjustment screw is held firmly in place.

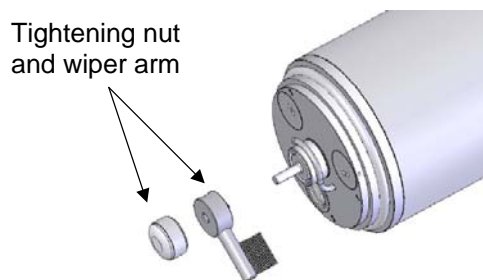
Note: that the response of every solid standard is unique. Hence, a new correlation must be determined for every sensor.

Solid Standard Table

Application	Solid Standard
Chlorophyll a	Yes
Phycocyanin	Use for Mid to High Range Only
Phycoerythrin	Use for Mid to High Range Only
Rhodamine	Yes
Solid standards are not available for Turbidity or Ultra Violet sensors	

Installation (C3 with wiper)

Remove the tightening nut and wiper arm from the C3.



Now follow steps 1-4 of the installation instructions.

Ordering Instructions

Product	Part Number
Solid Standard Cap & 1 Solid Standard	2300-900
Individual Solid Standard	2300-901

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