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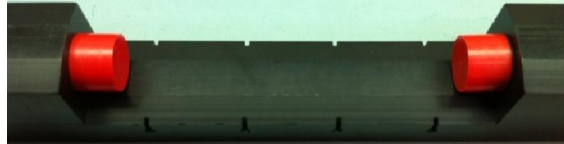
## Tech Note 121004-1: Using protective caps on transmissometers

### Objective

Two red plastic caps have been added to the C-Star, C-Rover, and Biofloat sensors to protect the exposed window from scratches, dirt, and dust. The protective caps are made from a flexible plastic that seals around the optics.



Protective plastic caps



Protective caps installed on C-Star

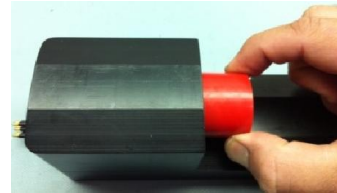
### Note

Remove the caps before deploying the sensor or it will collect erroneous data.

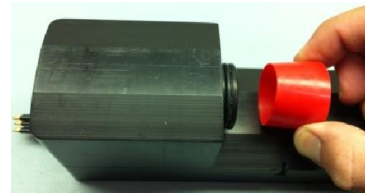
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### ***Remove the caps***

1. Lightly squeeze the top of the cap with your thumb and forefinger.



2. Pull on the cap straight away from the optics. The O-ring on the optics prevents the caps from falling off and will give some resistance during removal.



3. Store the caps in a known location for reuse after deploying the sensor.

### ***Install the caps***

1. Clean and rinse the optical windows with fresh water. Refer to the sensor's User's Guide for instructions on cleaning transmissometer windows.
2. Dry the windows with pressurized air, "canned air, and/or lint-free cloth (e.g. optical-grade Kimwipe).
3. Push the cap over the window until the base of cap bottoms out on the optical housing. There will be some resistance because the O-ring seals against the inner surface of the cap.
4. Repeat for the other optical window.