



## Application note

### Shroud installation

Version: 20200303

Status: Final

Confidentiality: Not confidential

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## Document history

The Observator range is in continuous development and so specifications may be subject to change without prior notice. When in doubt about the accuracy of this document, contact the Observator Group.

### Reference documents

Type of document / tool	Product type and name (incl. url)
Application note	<a href="#">Wiper replacement</a>
	<a href="#">Pressure calibration</a>
	<a href="#">Shroud installation</a>
	<a href="#">Temperature calibration</a>

### Revision history

Date	Amendments	Company, position
2017-07-31	Initial document creation	Observator Australia, Document Controller
2018-02-20	Removed probe marking	Observator Australia, Document Controller
2018-04-09	Introduced document control	Observator Australia, Document Controller
2019-07-01	Quality review	Observator Australia, Operation Manager
2020-01-30	Updated document format	Observator Australia, Document Controller

### Procedure sign-off:

Date	Company, position	Status
2018-04-09	Observator Australia, Document Controller	Finished
2019-12-06	Observator Australia, Managing Director	Approved
2020-03-03	Observator Group, Communication Officer	Approved

### Distribution list

Date	Company, position

## Summary

This document is an application note for the installation of the shroud on the 90-degree Analite series turbidity probes. This application note explains how to remove the shroud from the Analite probe as part of a regular maintenance requirement (i.e. cleaning or calibration).

Observer Instruments highly recommends you purchase the shroud at the same time as the sensor, in order to mark the probe shroud location on to the probe.

If you order the shroud separately from the probe, you will need to mark the probe yourself using the guidance provided in this manual.



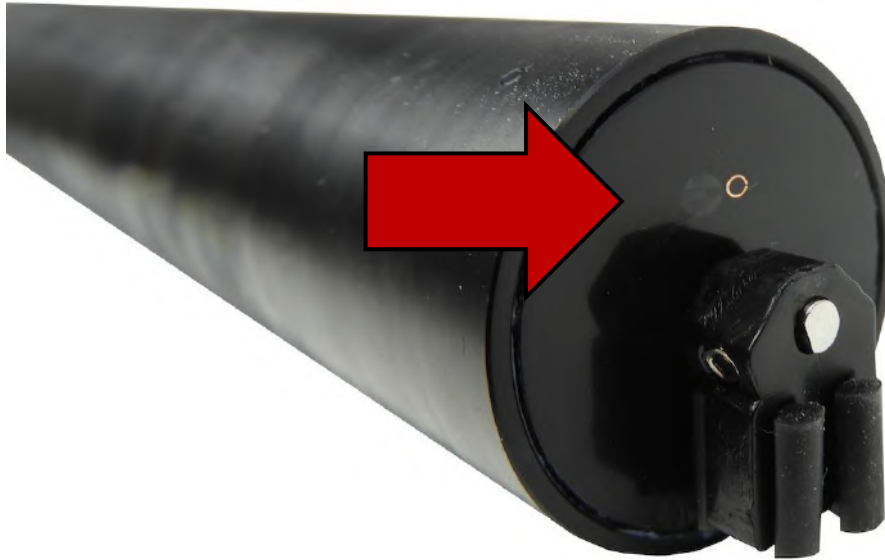
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## 1 Shroud mounting

1. Make sure the wiper does not cover the optics.

Note: Use the probe firmware to park the wiper at the correct position.



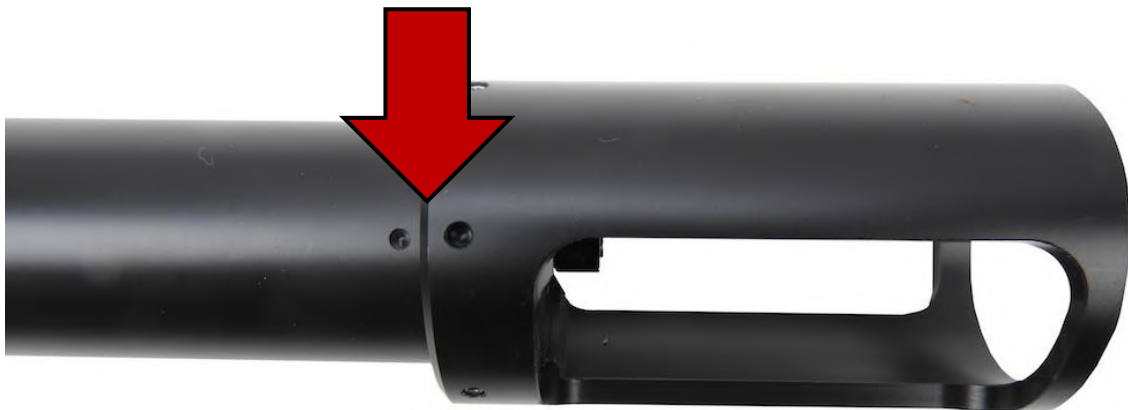
2. Observe the shroud has two openings, one large, one small.



3. Place the shroud on the tip of the probe.



4. If you purchased the shroud at the same time as the probe, the probe will be marked with a “dot” to facilitate the installation. Line up the shroud indicator with the probe indicator.



5. Make sure that the middle of the large aperture of the shroud is in-line with the transmit fibre of the optics.

Note: This is essential in order not to obstruct the turbidity reading.



6. Use a grub screw driver and tighten the three screws to seal the shroud to the probe.



Note: Do not screw the shroud too tight.

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