

Product Information Sheet

Using reusable Aber sensors in single use bioreactors

This document outlines the reusable Aber sensor options that can be used in single use bioreactors.

Aber Instruments offers a wide range of solutions for viable biomass measurements in single use and reusable platforms. If interested in installing reusable probes in single use bioreactors, users typically utilize the KleenPak or AseptiQuik connectors. Aber has options available for both.

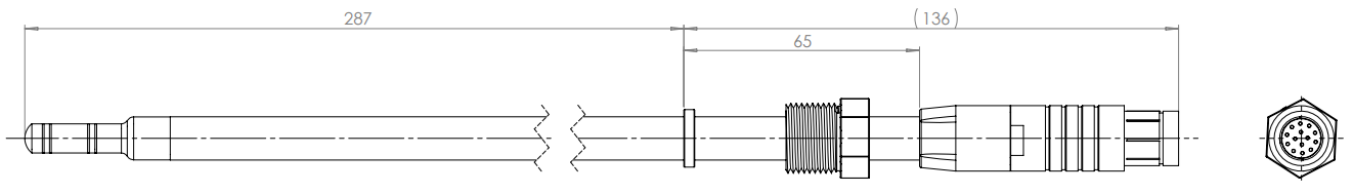
Customers with single use bioreactors using bellows connectors with Aber reusable probes should consult the table below to identify the best solution (detailed description under the table):

Customer's connector used	Aber sensor recommended	Accompanying assembly
KleenPak	12 x 320 mm Annular probe 13.5 Nut for KleenPak connector (part number 6570-52)	The probe sleeve assembly (along with the connector) can be acquired via Thermo or Cytiva. Be sure to order the probe sleeve for the 325 mm probe and KleenPak connector
AseptiQuik	12 x 220 mm Annular Probe PG13.5 nut (part number 6532-52/PG)	The probe sleeve assembly (along with the connector) can be acquired via Thermo or Cytiva. Be sure to order the probe sleeve for the 220 mm probe and AseptiQuik G connector

KleenPak connector assembly

For users of the KleenPak sterile connectors, Aber recommends using a 320mm sensor with a custom PG13.5 fitting (PN: 6570-52). The increased sensor length and optimised PG nut positioning maximise sensor immersion and bioreactor penetration, while still fitting inside the bellows, and ensuring a secure connection.

With optimal penetration depth, the sensor's electrical fields are unimpeded by the bellows connector, giving a reliable and repeatable capacitance and conductivity values every time.



Note that this is a standard 320mm sensor, where the PG nut positioning has been optimised.

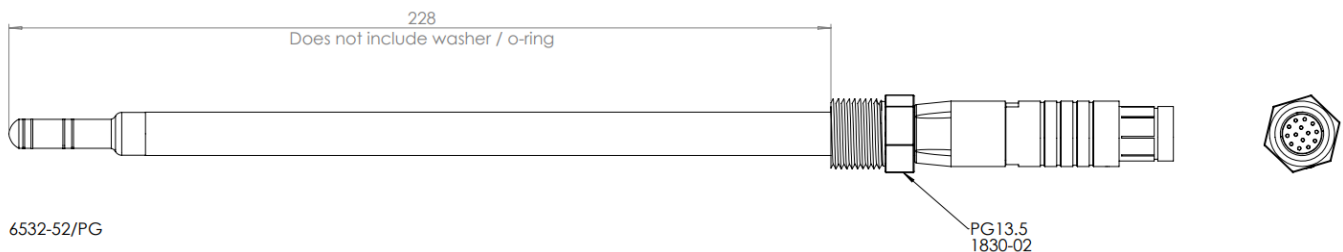
What you will need:

- 320mm Aber sensor PN: 6570-52
- The probe sleeve assembly (along with the connector), which can be acquired via Thermo or Cytiva. You will need the probe sleeve for the 325 mm probe and KleenPak connector.

Note: this recommendation supersedes the previous recommendation of using a 220 mm Aber probe (6532-52/PG) with the KleenPak's. However, for customers who do not have access to the longer bellows, using 6532-52/PG is still an option.

AseptiQuik connector assembly:

Users of the AseptiQuik from CPC can use the 220mm sensor with a PG13.5 fitting (PN: 6532-52/PG).



Note that this is a standard 220mm sensor with PG13.5 nut.

What you will need:

- 220mm Aber sensor with PG13.5 nut PN: 6532-52/PG
- The probe sleeve assembly (along with the connector), which can be acquired via Thermo or Cytiva. You will need the probe sleeve for the 325 mm probe and AseptiQuik G connector.