

AvaSpec-RS Replaceable-Slit Spectrometer

AvaSpec-RS

For most customers the choice between throughput and resolution is not an easy one. Avantes now offers the possibility for end-users to easily replace a slit through the introduction of our replaceable-slit feature. The replaceable slit option is only available on ULS Ultra-low Stray-light AvaSpecs and the NIR256-1.7 spectrometer. The slit sets contain 25, 50, 100 and 200 μm slits along with a screwdriver tool to

facilitate the change. Slit kits are available with SMA-905 connector, as well as FC/PC connectors. Slit sets can be ordered separately for the -RS spectrometer.

No recalibration of the spectrometer is needed when changing slit because of the high-precision slit positioning.



Technical Data

Slit set connectors	SMA-905 or FC/PC
Slit sizes	25, 50, 100, 200 or 500 μm (width) x 1 mm (height)
Material	Stainless steel
Fixing screws	Torx (included)

Ordering Information

-RS	<ul style="list-style-type: none"> Replaceable slit, to be added to the product code of the AvaSpec-ULS or AvaSpec-NIR256-1.7
SLIT-XX-RS	<ul style="list-style-type: none"> Replaceable slit with SMA connector. Specify slit size XX=25, 50, 100, 200 or 500 μm, only in combination with AvaSpec-ULS-RS spectrometers and AvaSpec-NIR256-1.7-RS
SLIT-XX-RS-FCPC	<ul style="list-style-type: none"> as SLIT-XX-RS, but with FC/PC connector

Slit Kit

To fully utilize your AvaSpec-RS series spectrometer with replaceable slit, the Slit Kit is available. It features a complete set with four slits, of 25, 50, 100, 200 and 500 μm . Also included in the kit are the tools to easily change the slit in the spectrometer.

The Slit Kit is available in SMA (choice of 4 SMA slits), SMA/FCPC (combination of 2 SMA and 2 FCPC slits) and FC/PC (choice of 4 FCPC and/or SMA slits) versions.

All kits can be used on any spectrometer with the replaceable slit option installed. Slit sizes 5 and 10 μm cannot be included in the kit, but can be ordered as a separate item (recalibration of spectrometer recommended).



Ordering information

SLITKIT-SMA	<ul style="list-style-type: none"> Slit kit containing of 4 SMA replaceable slits. Choice of 25, 50, 100, 200 and 500 μm slits (any combination), and the tools to replace the slit
SLITKIT-SMA/FCPC	<ul style="list-style-type: none"> Slit kit containing of 2 SMA and 2 FCPC replaceable slits.. Choice of 25, 50, 100, 200 and 500 μm slits (any combination), and the tools to replace the slit
SLITKIT-FCPC	<ul style="list-style-type: none"> Slit kit containing of 4 replaceable slits (FCPC and/or SMA). Choice of 25, 50, 100, 200 and 500 μm slits (any combination), and the tools to replace the slit.

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