

FLOW CELL OPERATING ACCESSORIES

Operation and Installation Manual



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1. Flow Cell Operating Manual

1.1. Parts included

- Flow Cell
- 1.27mm Wrench Allen Key
- The Flow Cell Operating manual

1.2. Starting up

1", 1/4" and 1/2" flow cells

The 1", 1/4" and 1/2" flow cells are developed for in-line absorption measurements. The flow cells consist of a Swagelok union cross tube fittings and 2 UV/VIS/NIR collimating lenses with 5 mm, 10 mm or 20 mm optical path and variable SMA905 adapters for easy coupling to our comprehensive line of fiber optic cables and bundles.

1.3. Technical Data

	¼" flow cell	½" flow cell	1" flow cell
Optical path	5 mm	10 mm	20 mm
Sample volume	62 µl	124 µl	248 µl
Wavelength range	200-2500nm		
Fiber connection	2 x SMA905 connectors		
Collimating optics	Plano Convex, focal length 8.7 mm		
Max. Temperature	80°C (HT version till 200°C available on request)		
Max. Pressure	10 bar (Special Gasflowcell up to 200 bar)		
Material	Stainless steel for the fitting, black anodized aluminum for the SMA905 connectors		
Overall dimensions	55 x 45 x 15 mm	72 x 50 x 22 mm	98 x 60 x 38 mm

1.4. Ordering Information

Flowcell-1/4"	Flow cell 1/4" with variable SMA adapter, 5 mm path length, incl. 2 UV/VIS/NIR lenses
Flowcell-1/2"	Flow cell 1/2" with variable SMA adapter, 10 mm path length, incl. 2 UV/VIS/NIR lenses
Flowcell-1"	Flow cell 1" with variable SMA adapter, 20 mm path length, incl. 2 UV/VIS/NIR lenses
Option	
-HT	High temperatures up to 200°C

2. Technical support

Getting Help

If you have any questions, comments or requests concerning your Avantes products, please go to

<http://www.avantes.com>

There you'll also find details on how to contact our Technical Support Team via e-mail or telephone.