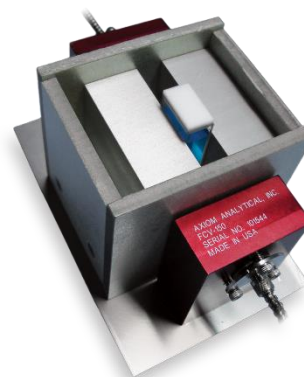




PS-FCV-150-D-(11-4-16)

# FCV-150 Fiber-Optic Coupled Heatable Cuvette Sampler



Model FCV-150 is a fiber-optic coupled sampling system for the visible through near-IR analysis of liquid samples contained in standard cuvettes. It can be coupled to any dispersive or FT-NIR spectrometer equipped with fiber-optic connectors by means of a pair of fiber-optic cables.

The cuvette sampler can also be used with spectrometers that are not equipped with fiber-optic connectors by use of an Axiom Analytical FOI-5 Series Fiber-Optic Sample Compartment Interface.

The FCV-150 includes a sample region accommodating cuvettes with optical path lengths from 1 to 50 mm as well as a preheating region suitable for multiple samples (depending on cuvette dimensions). It includes a heating element and thermocouple and can be used with most commercial electronic temperature controllers.

For more information, or to discuss your specific application, please do not hesitate to call us at or visit us on the web at [www.goaxiom.com](http://www.goaxiom.com).

## FEATURES:

- Visible through near-IR spectral response
- Accommodates cuvettes with pathlengths from 1 to 50 mm
- Mica insulation for high temperature operation
- Heatable with Axiom Item TCS-FCV150-“V” or user supplied temperature controller, heating rod and thermocouple.

## FCV-150 SPECIFICATIONS:

Optical Pathlength:	1 to 50 mm, depending on cuvette	Suitable Cuvette Dimensions (Width x Height):	12.5 x 45 mm
Spectral Range:	350 – 2200 nm	Preheating Region Dimensions (Length x Width)	55 x 12.5 mm
Optical Configuration:	6 mm diameter collimated beam	Maximum Temperature:	200°C
Fiber-Optic Connectors:	Female SMA 905	Recommended Optical Fibers:	0.6 mm core diameter
Compatible Sample Compartment Interface:	Axiom Analytical FOI-5XY	Applicable Temperature Control System:	TCS-FCV150-“V” or similar (“V”=110 or 230)



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