DIGITAL OPTICS TECHNOLOGIES, INC.

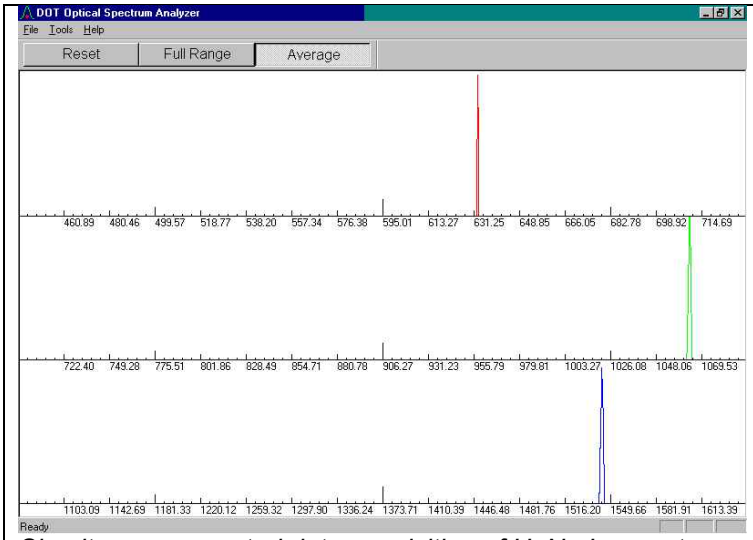
HOLOSPECTRA3000-VIS-NIR

3-Band fiber input Spectrometer

Digital Optics Technologies inc. presents the Holospectra3000 based on a unique thick holographic technology. The Holospectra3000 has three fiber input channels to cover the wavelength range from 450nm to 1650nm with exceptional resolution of ~0.3nm to ~0.9nm FWHM. The sharp resolution over a broad spectrum make it ideal for applications such as WDM, DWDM, tunable laser characterization, and general spectral analysis from the visible to the near infrared. The Holospectra3000-VIS-NIR detectors have an automatic gain control with 64 gain settings to automatically adjust to the input intensity and optimize the signal to noise ratio. The included Holospectra3000 software is compatible with Win9x/Me/NT/2000/XP and is designed for simultaneous data acquisition on all three channels through a standard RS-232 serial cable.

Channel Specifications	Channel 1	Channel 2	Channel 3
Wavelength Range (nm)	450-730	720-1100	1090-1650
Optical Resolution* (FWHM):	~0.3nm	~0.4nm	~0.9nm

*Optical resolution was measured at 633nm, 1064nm, and 1550nm respectively, using single mode fiber input.



Simultaneous spectral data acquisition of HeNe Laser at 632.8nm, YAG laser 1064nm, and 1550nm laser diode

General Specifications	
Fiber Inputs:	Standard FC connector for SM or MM fiber.
Input Power Range** (μW):	5 - 1000
Gain Settings:	64
Dynamic Range:	255:1 – 8bit
Update Rate:	2 seconds
Dimensions:	12” x 6” x 5.75”
Included Software:	Holospectra3000 application
Operating Systems:	Win9x/Me/NT/ 2000/XP

**measured at the output of single mode fiber

Digital Optics Technologies Inc.
1645 Hicks Rd. Suite A
Rolling Meadows, IL 60008

Tel#: 847-358-2592
Fax#: 847-358-2616
mandrews@dotechnologies.com
www.dotechnologies.com