

SP Specifications

Software Compatability

Software SP1/SP2 is compatible with Windows 3.1/95/98 and Windows NT 4.0/2000/ME by means of system device drivers.

TVICPORT.VXD for Windows 3.1/95/98

TVICPORT.SYS for WindowsNT/2000/ME

Revision 1.10

Graphics:

X axis, 0-3000 points, scalable

Y axis, 0-10,000 points, scalable

Data Display: Continuous or One Shot poll mode

Data Update: better than 50Hz (CPU speed dependant)

PC Requirements

Pentium-Based PC with 64MB RAM

Hard-drive, CD-ROM

Parallel Port Configuration

EPP mode ver 1.9

ECP+EPP mode ver 1.9 DMA 3

External Parallel Port Card: Any supporting ECP and EPP ver 1.9 such Warp 9 ISA Cards

Port ID: 378H default, user selectable

Optical Head

SP1 Spectral Range: 400 to 800nm

SP2 Spectral Range: 500 to 1000nm

CCD Integration time: 1uSec to 200mSec

SPA: 1-1000 Samples Per Average (1 = no average of sample set)

Spectral Line Resolution: 2um FWHM

Calibration Std: Krypton Spectral Emission

The internal optical design is optimized for a 0.22 NA or less input fiber cable SMA

600 line/mm reflective grating in a Czerny-Turner configuration

CCD Pixel size: 7µm □ 200µm (7µm pitch)

CCD: ILX526A, rectangular reduction type CCD linear sensor

DB 9PIN RS232 Cable connect to Interface box

Dimensions: 2 x 3 x 4.25 inches

Weight: 1 lb

Interface

115/220 VAC 500mA Fused

DB 25Pin Parallel Cable connect to PC

Dimensions: 2.5 x 5.5 x 11.5 inches

Weight: 3 ¼ lbs

Cables:

DB 25 Pin Parallel Cable M/F 6 ft length

DB 9 PIN RS232 Cable M/F 8 ft length

110VAC Line Cord