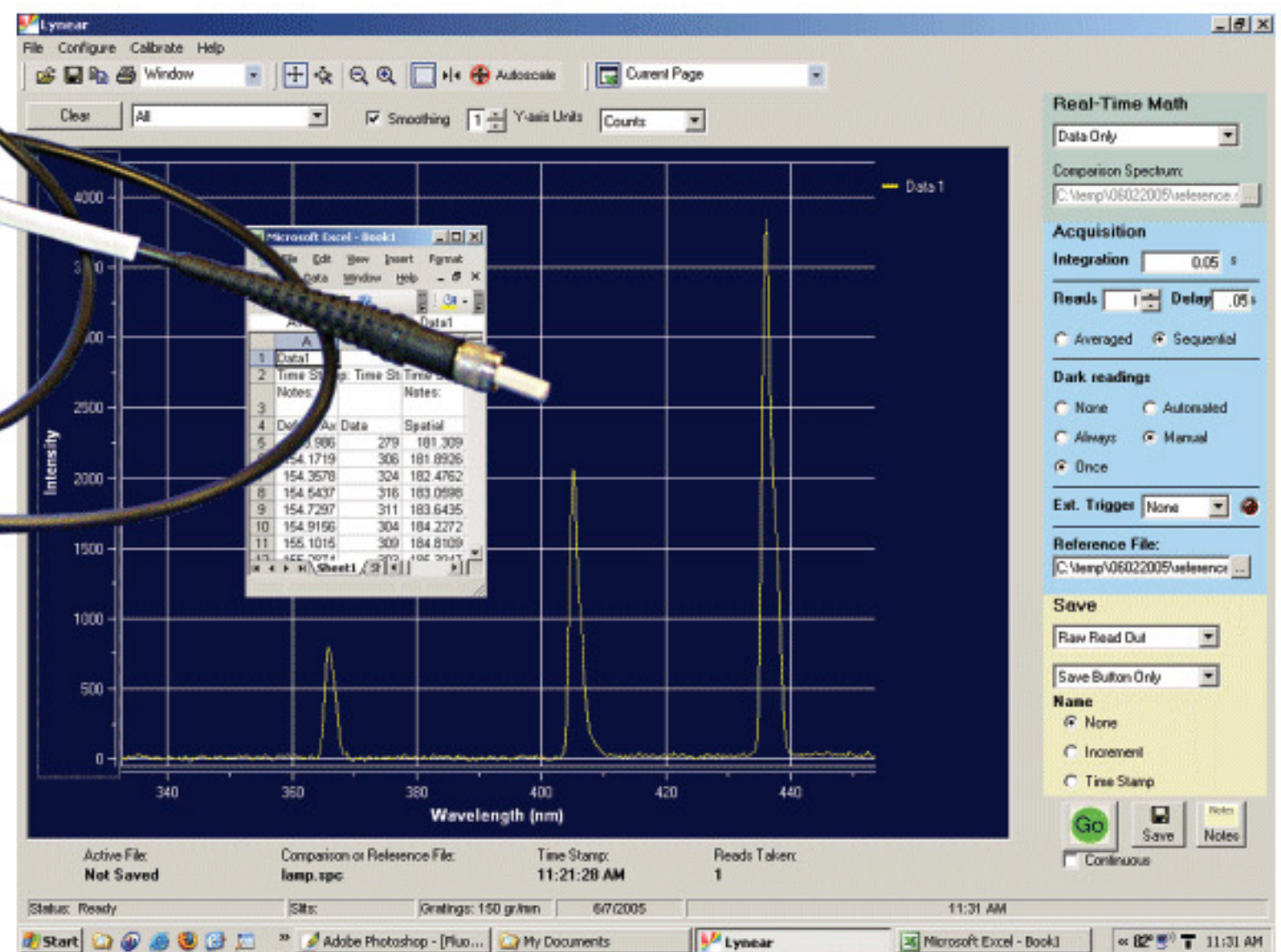


VS140 Low Cost Linear Array Spectrometers



In the lab, in the field, or on the shop floor you will collect the highest quality spectra possible with one of the new small, portable, and rugged VS 140 series linear array spectrometers. VS 140s have the largest aperture in their class, and are the only compact spectrometers available with a choice of either a linear CCD or high-dynamic-range PDA array detector. And, they come standard with Lyneer software featuring on-the fly data treatment and automated time stamped data acquisition for unattended and process monitoring applications.



- High Throughput: **f/2.4**
- High Sensitivity **CCD** or
- High Dynamic Range **PDA**
- True **USB 2.0** Plug & Play Interface
- External Trigger

Lyneer software included

- On-the-fly data treatment
- Real-time export to Excel®
- Automated acquisition functions

The perfect proof-of-concept spectrometer for product design and process monitoring applications

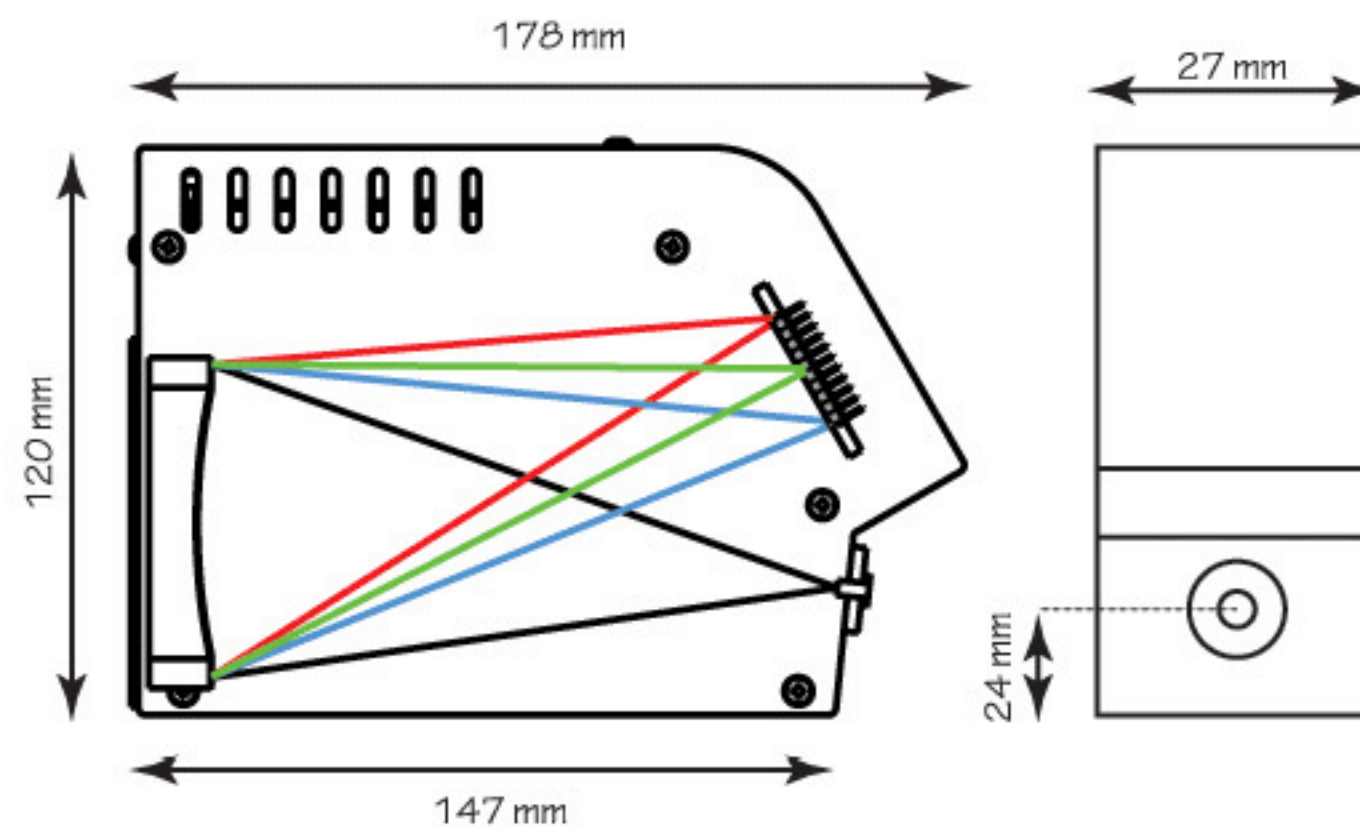
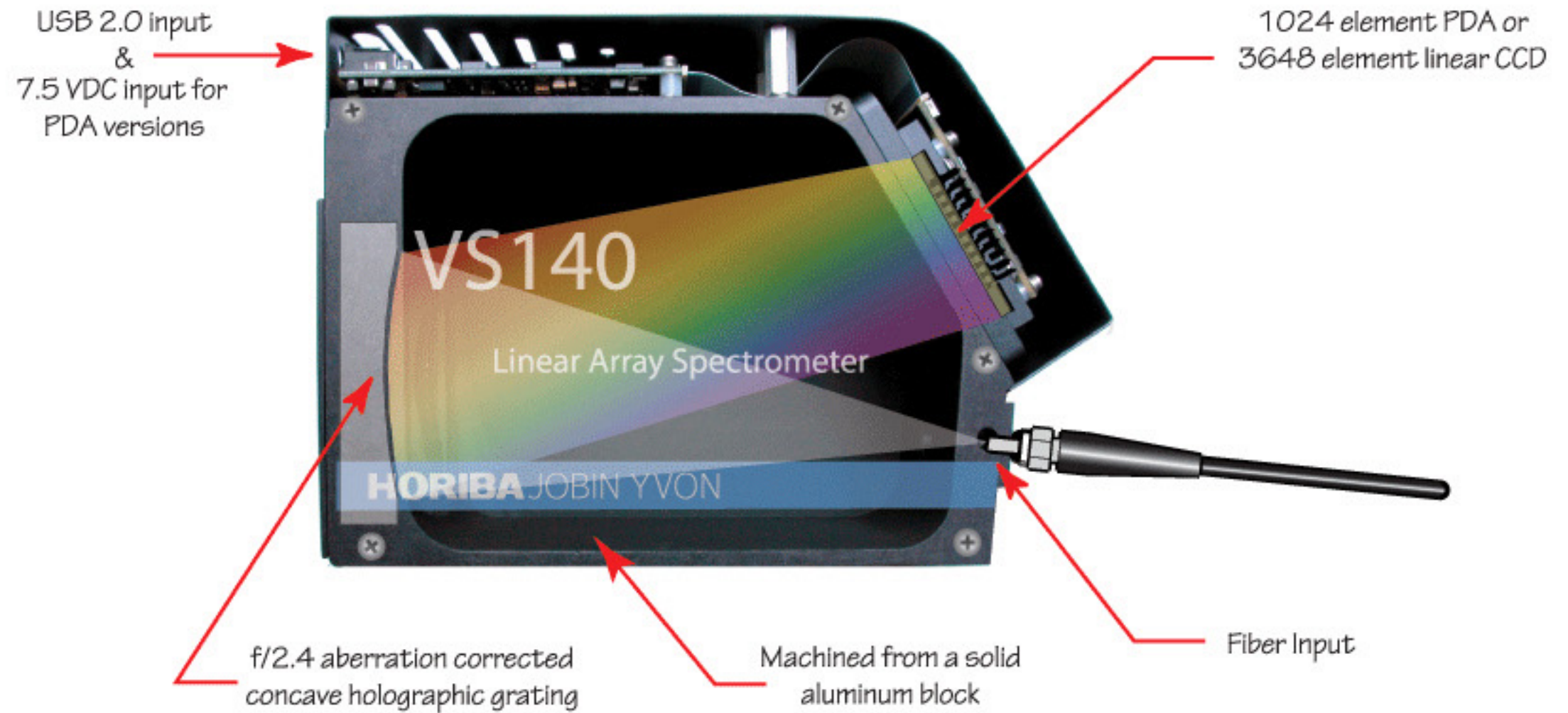


VS 140 Specifications:

Focal Length: 140 mm
 Aperture: f/2.4
 Stray light: 2.5e-4
 Acquisition Time:
 10 ms to 65s
 Input: fiber with SMA connector
 Detectors:
 Linear CCD 3864 pixels
 8 μm x 200 μm or
 Photo Diode Array 1024 pixels
 25 μm x 500 μm pixels
 Communications: True USB 2.0
 Software:
 Lynear included
 SynerJY optional
 SDK optional
 Power:
 CCD: USB 2.0
 PDA: 7.5 VDC
 Size (LHD):
 7.0 in x 4.73 in x 2.25 in
 178 mm x 123 mm x 58 mm
 Weight: 1.5 lbs 0.6 kg

Lynear Software

Real-time
 %T, AU, Spectral - + / , log
 Real-time data smoothing
 Real-time data transfer to Excel
 Automated acquisition with time stamped file names
 External triggering
 Polynomial fit wavelength linearization
 User notes with automated acquisition parameters insertion



The VS series of spectrometers are also available in OEM configurations. Contact the HORIBA Jobin Yvon OEM department to discuss optical and packaging modifications for multi-unit purchases.

Standard Versions

Version	Spectral Range (nm)	Blaze Wavelength (nm)	Dispersion (nm/mm)	Typical resolution with a 100 μm core fiber (nm)
UV-VIS	190 - 800	250	24.2	2.3
VIS	380 - 780	450	16.7	1.4
VIS-NIR	400 - 1100		30.0	3.0

Specifications subject to change without notice

HORIBAJOBIN YVON

(All HORIBA Jobin Yvon companies were formerly known as Jobin Yvon)

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Explore the future

HORIBA