

5335 Sterling Drive  
Suite A  
Boulder, CO 80301  
303.444.6522  
fax 303.444.6825  
www.asdi.com

# QualitySpec® Pro

*Cost effective, precision instrumentation for materials analysis*

Analytical Spectral Devices (ASD) is bridging the gap between high cost, difficult to use analytical techniques and the need to show productive returns fast. With the high speed and high performance of the QualitySpec® Pro benchtop NIR analyzer, you can increase accuracy and volume of materials analysis. The QualitySpec® Pro offers a small footprint, superior performance, and fully complies with FDA and USP regulations. Add in excellent applications support from a dedicated team of proven specialists in NIR technology, and the result is the best *performance to cost value* in the industry. With more than thirteen years of experience, over 700 instruments in 35 countries, and a proven track record in numerous applications, ASD has the technical expertise to get you up and running so you can meet your material analysis and cost saving goals.



QualitySpec® Pro maintains laboratory accuracy in and out of the lab—near line on the production floor, in the warehouse, where you need it—for QA/QC measurement requirements, and is compatible with all ASD accessories for adaptability to your application needs. Super fast scanning time (0.1 seconds) and the ability to read through many plastic bags, bottles and glass vials (little or no sample preparation) equates to rapid non-destructive testing, less down-time, and out-of-spec product. Quality Spec® Pro provides environmentally friendly NIR material analysis that reduces waste, improves product uniformity, and saves you time and money. ASD's superior instrumentation, combined with our excellent applications support ensures the success of your project and improvement to your bottom line.

**ANALYTICAL  
SPECTRAL  
DEVICES, INC.**



	<b>Spectral Range</b>	<b>Model Number</b>
	1000 – 1800 nm	A108600
	1800 – 2500 nm	A108610
	1000 – 2500 nm	A108620
	350 – 1800 nm	A108630
	350 – 2500 nm	A108640

### **Features and Advantages**

- Accurate and Precise—High signal-to-noise ratio and superior repeatability of results for better discrimination and analysis of materials
- Rugged and Transportable—Resistant to vibration and changes in temperature or humidity
- Fast 10 Spectra per second data collection for the entire 350 – 2500 nm range—0.1 second scanning time provides an accurate average every second and allows user to quickly scan several areas when analyzing bulk samples
- Rapid analysis allows screening all or most samples vs. spot-checking
- User friendly software—including ASD’s Rapid Classifier
- Compatible with off-the-shelf chemometrics software—Camo Unscrambler® and Grams/32®

### **Certifications & Approvals**

- 21 CFR 11 compliant
- Meets USP 1119 requirements
- Approvals—CE

### **Physical Specifications**

Size..... Approx. 11.9” X 4.2” X 10.5 (HXWXD).

Weight.....10Lbs (or less).

- Adjustable Fiber optic to instrument spacer.
- All vital components are in a dust-proof enclosure and EMI sealed.
- Removable supporting base (instrument stands with or without base).
- Small foot print (4.2” X 10.5” without supporting base)
- Durable Satin Black powder coat finish and anodized brushed aluminum front bezel.

### **Power Requirements**

Power Supply Type.....External desktop

AC Input.....90-240AC, 50/60Hz (Automatic) U/L Listed power supply

DC Input.....12VDC, 30 watt

### **Interface Requirements**

Standard Bi-Directional Parallel Port (IEEE 1284 Compatible) Capable of >120KBytes/Sec

### **Computer/Software Requirements**

ASD LabSpec® Pro Software is used for instrument control and data acquisition.

Computer: Minimum of 500 MHz Pentium or better notebook or PC-w/monitor, 800 MB Hard Disk, 128 MB RAM, Windows 95, 98, 2000, XP Operating System, an available bi-directional Parallel Port.

### **Environmental Specifications**

Operating Temperature – +5 to +35 Degrees C

Storage Temperature - -15 to 40 Degrees C

Storage Humidity – 5%-85% Non Condensing