

i-Spec® Plus

NIR Spectrometer Platform



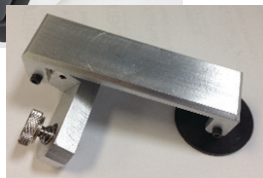
The i-Spec® Plus is a diffuse reflectance near-infrared spectrophotometer platform with a built-in integrating sphere and tablet PC, making it perfect for customers to develop mobile applications. The large spot size and optional rotating sample turntable provide more representative sampling for large and heterogeneous samples. Models developed in our chemometric software may be transferred to onboard software (BWSpec® Mobile) for NIR analysis anywhere, especially when combined with the battery pack option. The i-Spec® Plus may also be connected to a PC to utilize further data processing power with our proprietary BWSpec® software, and for model-building with BWIQ®. SDKs are available for system control, allowing OEMs to develop custom interfaces. Communication via Wi-Fi and Bluetooth is available on the tablet PC.

Features:

- Portable rugged all-in-one design
- Touchscreen operation or external computer
- Press-holder and optional turntable sample stage
- Various data format options available

Applications:

- **Feed & forage (fat, protein, & moisture)**
- **Textiles & fibers**
- **Agriculture: leaves, fertilizers, fruit**
- **Carpet & plastics recycling**
- **Food counterfeiting**
- **Edible oil**



Specification:

Wavelength	900-1700nm	1100-2200nm
Resolution	4nm FWHM	10nm FWHM
Min. Scan Time	200µs	250µs
Measurement	Diffuse Reflectance	
Lamp	20W Tungsten Halogen Lamp	
Sampling Port	Ø 18mm (~0.71in)	
Operating System	Windows-based Touch Screen Tablet	
Software	BWSpec® Mobile, BWSpec®, & SDK	
Chemometrics	Supported (BWIQ®)	
Power Input	12V DC @ 6.6 Amps (optional battery)	
Temperature	0° C - 35° C	
Humidity	5-85%	
Dimensions	15.7in x 10.2in x 9.8in (40cm x 26cm x 25cm)	
Weight	~17 lbs (~8 kg)	