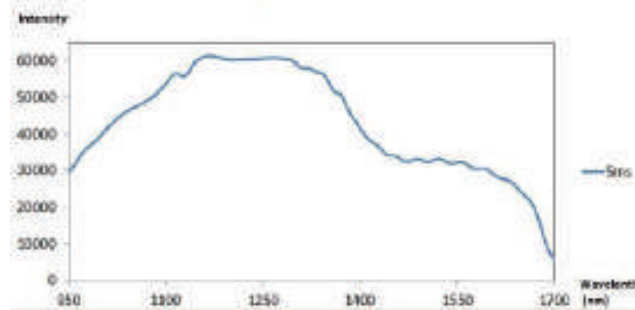


PocketHawk™-NIR Series

Compact NIR Spectrometer

Thin-film measurement, Food Analysis, Handheld Systems



PH2524 Wavelength Response
(Halogen Lamp)

- Wavelength range 900nm to 1700nm
- Compact folded Czerny-Turner optical design
- Low weight ideal for handheld applications
- Supports continuous high-speed & multiple exposures and trigger modes
- Proprietary stray light calibration algorithm (stray light can be eliminated to 0.01%)
- On-board CPU supports optical parameter calculation
- Attractive cost facilitates micro & smart spectral application systems

Model Name	PH2524	PH2534
Wavelength Range	900 nm - 1700 nm	
Slit Width (µm)	50 / 100	
FWHM Resolution	14 nm / 18 nm (Typical)	6 nm / 9 nm (Typical)
Sensor	128-pixel InGaAs Linear Sensor	256-pixel InGaAs Linear Sensor
SNR	High Gain: 2500 Low Gain: 6500	
Dynamic Range	High Gain: 6500 Low Gain: 8200	High Gain: 6000 Low Gain: 6500
Dark Noise	High Gain: 10 Low Gain: 8	High Gain: 11 Low Gain: 10
Exposure Time	100 µs ~ 1 sec.	
Dimension	65(L) x 65(W) x 29.8(H) mm	
Fiber Input Interface	SMA905	
Data Transfer Interface	Micro USB / UART	