

# Laboratory Raman Product Line

## A Full Range of Research-Grade Raman Solutions



### SOFTWARE

- BWSpec®
- BWID®
- BWID-Pharma®
- BWIQ®
- Vision

### ACCESSORIES

- Immersion Shafts
- Video Microscope
- Cuvette & Liquid Vial Holders
- Industrial Grade Probes & Flow Cells
- Transmission Raman Accessory
- Probe Holders with Positioning Stage
- Laser Class 1 enclosure
- See-Through Probes for Opaque Containers
- Full Range of Long Working Distance Lenses

	i-Raman® Plus			i-Raman® EX	i-Raman® Prime		
Part Number (BWT-)	840000360	840000340	840000358	840001234	840000673	840000675	840000674
Model Number (BWS)	465-532H	465-785S	465-785H	485III	475-532H-HT	475-785S-HT	475-785H-HT
Laser Excitation	532 nm                      785 nm			1064 nm	532 nm	785 nm	
Laser Power at Probe	30 mW		340 mW	330 mW	35 mW	340 mW	
Laser Power at Port	42 mW		455 mW	430 mW	42 mW	455 mW	
Spectral Range	65 – 3400 cm <sup>-1</sup>	65 – 3350 cm <sup>-1</sup>	65 – 2800 cm <sup>-1</sup>	100 – 2500 cm <sup>-1</sup>	150 – 3400 cm <sup>-1</sup>	150 – 3350 cm <sup>-1</sup>	150 – 2800 cm <sup>-1</sup>
Spectral Resolution	<3.5 cm <sup>-1</sup>	<4.5 cm <sup>-1</sup>	<3.5 cm <sup>-1</sup>	<10.0 cm <sup>-1</sup>	<8.0 cm <sup>-1</sup>	<8.0 cm <sup>-1</sup>	<6.0 cm <sup>-1</sup>
Detector	-2° C TE-Cooled High Quantum Detector Efficiency CCD			-20° C TE-Cooled InGaAs	-25° C TE-Cooled High Quantum Detector Efficiency CCD		
Relative Throughput	2		1	0.2	10	5	
Readout Noise	15 counts			15 counts	3 counts		
Dark Current	6 counts			50 counts	3 counts		
Integration Time	100 ms – 30 mins			200 μs – 5 mins	7 ms – 30 mins		
Computer Interface	USB 3.0 / 2.0			USB 2.0	USB 2.0		
Weight	11.0 lbs (5.0 kg)			7.6 lbs (3.4 kg)	19.5 lbs (8.8 kg)		