

# Spectrometer Comparison Chart

*A Full Range of Spectroscopy Solutions from UV - NIR*



*Your Spectroscopy Partner*



	UV - Vis - NIR High Performance TE Cooled & Non-Cooled				NIR Cooled Linear Array InGaAs			
Name:	Exemplar®	Exemplar® <i>LS</i>	Glacier® <i>X</i>	Exemplar® <i>Plus</i>	Sol™ <i>1.7</i>	Sol™ <i>2.2</i>	Sol™ <i>2.2A</i>	Sol™ <i>2.6</i>
Model#:	BRC115E	BRC115U	BTC112E	BTC655	BTC261P	BTC262P	BTC262A	BTC263E
Detector Type:	Linear Array	Linear Array	Linear Array	Back-thinned	InGaAs	InGaAs	InGaAs	InGaAs
Pixels	2048	2048	2048	2048	512 (Standard)	512, 1024	256	256
Spectral Range:	350-1050nm	200-850nm	200 -1050nm	190-1100nm	900-1700nm	900-2200nm	900-2200nm	1550-2550nm*
Resolution:	0.5 to 4.0nm	0.4 to 8.0nm	0.2 to 4.5nm	0.1 to 4.5nm	0.35 to 8.4nm	3.5 to 25nm	9 to 25nm	~15nm
Cooling:	Non-cooled	Non-cooled	14°C	0°C	-5°C (Standard)	-15°C	-15°C	-15°C
Optical Design:	F# 3.6 Crossed Czerny-Turner	F# 3.6 Czerny-Turner	F# 3.2 Crossed Czerny-Turner	F# 3.6 Czerny-Turner	F# 3.5 Crossed Czerny-Turner	F# 3.5 Crossed Czerny-Turner	F# 3.5 Crossed Czerny-Turner	F# 3.5 Crossed Czerny-Turner
Dynamic Range:	1300:1	1300:1	1300:1	50,000:1	13,000:1 - 6,250:1	13,000:1 - 6,250:1	20,000:1 - 250:1	20,000:1 - 250:1
Digitizer Type:	16-bit	16-bit	16-bit	16-bit	16-bit	16-bit	16-bit	16-bit

\*Custom Ranges Available

## Enhancements:

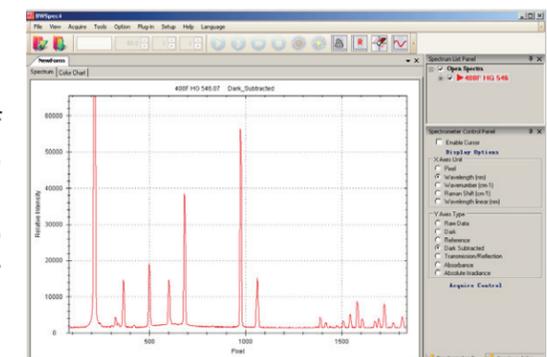
- Custom Gratings & Slits
- Long Pass Filter Option
- LVF
- Cylindrical Lens
- Free-Space Option

## Accessories:

- Fiber Cables
- Fiber Probes
- Fiber Holders
- Light Sources
- Integrating Spheres
- Cuvette Holders
- Multiplexer
- SDK & Color SDK

## Software:

BWSpec™ is a spectral data acquisition software with a wide range of tools that are designed to perform complex measurements and calculations at the click of a button. It allows the user to choose between multiple data formats and offers optimization of scanning parameters, such as integration time. In addition to powerful data acquisition and data processing, other features include automatic dark removal, spectrum smoothing, and manual/auto baseline correction.



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