



Spectra Vista Corporation

FAMILY OF

# FIELD PORTABLE SPECTRORADIOMETERS

INSTRUMENT	GER 1500	GER 2600	GER 3700	SVC MR-768	SVC HR-768S	SVC HR-768	SVC HR-1024
<b>Spectral Range</b>	350 nm-1050 nm	350 nm-2500 nm	350 nm-2500 nm	350 nm-2500 nm	350 nm-1900 nm	350 nm-2500 nm	350 nm-2500 nm
<b>Spectral Resolution FWHM</b>	3.1 nm @700 nm	3.2 nm @ 700 nm 30 nm @1500 nm 30 nm @2100 nm	3.2 nm @700 nm 19 nm @1500 nm 28 nm @2100 nm	3.5 nm @ 700 nm 22 nm @1500 nm 22 nm @2100 nm	3.5 nm @ 700 nm 9.5 nm @1500 nm	3.5 nm @ 700 nm 16 nm @1500 nm 14 nm @2100 nm	3.5 nm @ 700 nm 9.5 nm @1500 nm 6.5 nm @2100 nm
<b>Bandwidth</b>	1.5 nm @700 nm	1.5 nm @700 nm 11.5 nm @ 1500 nm	1.5 nm @700 nm 6.5 nm @1500 nm 9.5 nm @2100 nm	1.5 nm @700 nm 5.8 nm @1500 nm 5.8 nm @2100 nm	1.5 nm @700 nm 3.5 nm @1500 nm	1.5 nm @700 nm 7.5 nm @1500 nm 5.0 nm @2100 nm	1.5 nm @700 nm 3.8 nm @1500 nm 2.5 nm @2100 nm
<b>Integration Times</b>	5 ms & up	5-50 ms & up	5-50 ms & up	1-10 ms & up	1-10 ms & up	1-10 ms & up	1-10 ms & up
<b>Detectors</b>	512 Si Array	512 Si Array 128 PbS Array	512 Si Array 128 PbS Array 64 PbS Array	512 Si Array 256 InGaAs Array	512 Si Array 256 InGaAs Array	512 Si Array 128 InGaAs Arrays 128 InGaAs Arrays	512 Si Array 256 InGaAs Array 256 InGaAs Array
<b>Foreoptics Available</b>	4° & 8°	3° & 10°	3° & 10°	4° std., 8° and 14° foreoptics, irradiance spheres, reflectance probes are optional			
<b>Fiber Optic Light Guide</b>	25° Field Replaceable	25° Field Replaceable	25° Field Replaceable	25° fiber optic light guides are available in various lengths (Field replaceable)			
<b>Instrument Weight</b>	4 lbs or 2 kg	11.5 lbs or 5.3 kg	13.8 lbs or 6.3 kg	7.3 lbs or 3.3 kg			
<b>Battery Weight</b>	0.5 lbs or 0.23 kg	5 lbs or 2.3 kg	5 lbs or 2.3 kg	1lb or 0.45 kg			
<b>Stand Alone Mode</b>	Standard	Not Available	Not Available	Stand Alone Capability is Standard-No Field Computer is Required			
<b>Rugged PDA</b>	Optional	Not Available	Not Available	A Rugged PDA with Internal GPS and Bluetooth is Supplied with the System			
<b>Noise Equivalent Radiance w/cm2/nm/sr at 1 sec.</b>	0.5 x 10 <sup>-9</sup> @ 700 nm	1.6 x 10 <sup>-9</sup> @ 700 nm 9.0x 10 <sup>-9</sup> @ 1500 nm 9.0x 10 <sup>-9</sup> @ 2100 nm	1.6 x 10 <sup>-9</sup> @ 700 nm 1.1x 10 <sup>-8</sup> @ 1500 nm 1.1x 10 <sup>-8</sup> @ 2100 nm	1.2 x 10 <sup>-9</sup> @ 700 nm 2.2 x 10 <sup>-9</sup> @ 1500 nm 2.2 x 10 <sup>-9</sup> @ 2100 nm	1.2 x 10 <sup>-9</sup> @ 700 nm 1.5 x 10 <sup>-9</sup> @ 1500nm	1.2 x 10 <sup>-9</sup> @ 700 nm 2.2 x 10 <sup>-9</sup> @ 1500 nm 2.2 x 10 <sup>-9</sup> @ 2100 nm	0.8 x 10 <sup>-9</sup> @ 700 nm 1.5x 10 <sup>-9</sup> @ 1500 nm 3.0x 10 <sup>-9</sup> @ 2100 nm
<b>Notebook Computer Software</b>	Supplied	Supplied	Supplied	Supplied	Supplied	Supplied	Supplied