

## Technical Note 31

### Comparison of JETI spectraVal 15x1 / specbos 1211-2 / specbos 25x1

Parameter	spectraVal 1501/ 1511	specbos 1211-2	specbos 25x1
Wavelength range	380 ... 780 nm NIR version: 350 ... 1000 nm	350 ... 1000 nm UV version: 230 ... 1000 nm	380 ... 780 nm UV version: 200 ... 1100 nm NIR version: 380 ... 1100 nm <b>All models can be combined with Focus add-on</b>
Optical resolution (FWHM)	4.5 nm (HiRes: 2 nm)	4.5 nm	4 nm (HiRes: 2 nm, applies only to VIS wavelength range)
Measuring range luminance (Illum. A/ typical warm white LED spectrum)	0.2 ... 180 000 cd/m <sup>2</sup> 0.2 ... 140 000 cd/m <sup>2</sup>	0.2 ... 150 000 cd/m <sup>2</sup> 0.2 ... 100 000 cd/m <sup>2</sup>	0.2 ... 150 000 cd/m <sup>2</sup> 0.2 ... 100 000 cd/m <sup>2</sup>
Measuring range illuminance (Illum. A/ typical warm white LED spectrum)	2 ... 1 250 000 lx / 1 ... 1 000 000 lx (with optional diffusor)	1 ... 800 000 lx / 1 ... 500 000 lx (with optional diffusor)	1 ... 800 000 lx / 1 ... 500 000 lx (with optional diffusor)
Viewing angle Radiance mode	2.1 °	2.1 °	2.1 °
Measuring time on grayscale pattern of a display	~ 0.4 s @ 100 cd/m <sup>2</sup> ~ 3 s @ 5 cd/m <sup>2</sup>	~ 0.5 s @ 100 cd/m <sup>2</sup> ~ 4 s @ 5 cd/m <sup>2</sup>	~ 0.4 s @ 100 cd/m <sup>2</sup> ~ 4 s @ 5 cd/m <sup>2</sup>
Interfaces	USB and Bluetooth Optional: LAN instead of Bluetooth	USB Optional: additional Bluetooth, RS232 or LAN	25x1: USB-C / Bluetooth 2501-LAN: USB-C / LAN (PoE)
Software	JETI LiVal	JETI LiVal	JETI LiVal
Power supply	USB Battery USB power supply	USB LAN: 9V power supply Bluetooth: battery, 9 V power supply	25x1: USB Hub powered/ Battery/ 5 ... 32 V 2501-LAN: additionally LAN (PoE)
Weight	1501: 400 g / 1511: 500 g	450 g	1000 g
Dimensions	140 mm x 80/ 115 mm x 70 mm	180 mm x 82 mm x 53 mm	186 mm x 105 mm x 50 mm