

Technical Note 31

Comparison of JETI spectraVal 15x1 / specbos 1211-2 / specbos 2501

Parameter	spectraVal 1501/ 1511	specbos 1211-2	specbos 2501
Wavelength range	380 ... 780 nm NIR version: 350 ... 1000 nm	350 ... 1000 nm UV version: 230 ... 1000 nm	380 ... 780 nm UV version: 200 ... 780 nm NIR version: 380 ... 1000 nm All models can be combined with Focus add-on
Optical resolution (FWHM)	4.5 nm (HiRes: 2 nm)	4.5 nm	4 nm (HiRes: 2 nm)
Measuring range luminance (Illum. A/ typical warm white LED spectrum)	0.2 ... 180 000 cd/m ² 0.2 ... 140 000 cd/m ²	0.2 ... 150 000 cd/m ² 0.2 ... 100 000 cd/m ²	0.2 ... 150 000 cd/m ² 0.2 ... 100 000 cd/m ²
Measuring range illuminance (Illum. A/ typical warm white LED spectrum)	2 ... 1 250 000 lx / 1 ... 1 000 000 lx (with optional diffusor)	1 ... 1 800 000 lx / 1 ... 1 500 000 lx	1 ... 1 800 000 lx / 1 ... 1 500 000 lx
Viewing angle Radiance mode	1.8 °	1.8 °	1.8 °
Measuring time on grayscale pattern of a display	~ 0.4 s @ 100 cd/m ² ~ 3 s @ 5 cd/m ²	~ 0.5 s @ 100 cd/m ² ~ 4 s @ 5 cd/m ²	~ 0.4 s @ 100 cd/m ² ~ 4 s @ 5 cd/m ²
Interfaces	USB and Bluetooth Optional: LAN instead of Bluetooth	USB Optional: additional Bluetooth, RS232 or LAN	2501: USB 3.0 / Bluetooth 2501-LAN: USB 3.0 / LAN
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	2501: USB Hub powered/ Battery/ 5 ... 32 V 2501-LAN: additionally LAN (PoE)
Weight	1501: 400 g 1511: 500 g	450 g	650 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