

AvaLIBS

AVANTES

High speed & High Resolution Spectrometer

Avantes has some great advantage in LIBS applications

Multirack in combination with resolution

Timing and triggering

Extensive knowledge on LIBS

AvaSpec-4096/2048 CMOS, USB3 multi-channel Spectrometer

High Resolution Measurement [Resolution: 0.2nm, 0.1nm]

AvaSpec-Multi-4CH, 0.2nm

AvaSpec-ULS2048CL/4096CL-EVO x 4

Ch1 UC:200-458nm
Ch3 NC:680-974nm

Ch2 VC:455-683nm
Ch4 NC:870-1030nm

4-furcated fiber-optic cables
FC4-UVIR400-2



AvaSpec-Multi-8CH, 0.1nm

AvaSpec-ULS2048CL/4096CL-EVO x 8

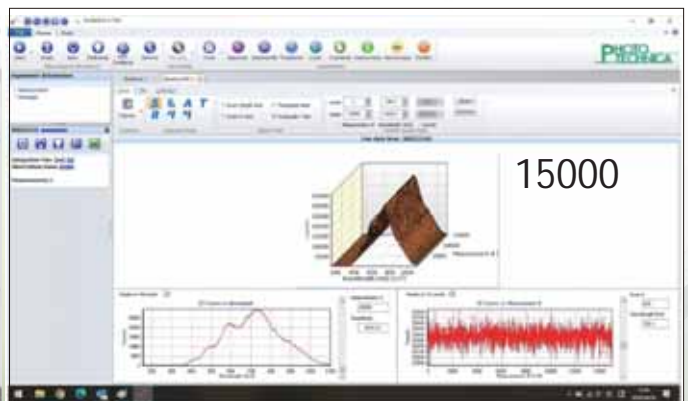
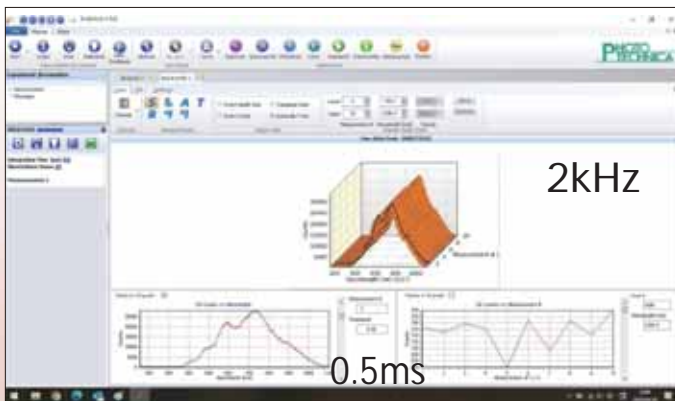
Ch1 UE:200-320nm
Ch3 UE:417-505nm
Ch5 VD:563-670nm
Ch7 NC:745-930nm

Ch2 UE:318-420nm
Ch4 VE:500-565nm
Ch6 VD:668-750nm
Ch8 NC:920-1070nm



High Speed Trigger Measurement

Store To RAM [Internal Memory Save]
Single Scan External Trigger [1ms, 0.5ms]



| AvaSpec Spectrometer | 2048CL | 4096CL |
|-------------------------------|--------|--------|
| Data Transfer Speed (ms/scan) | 0.38 | 0.70 |
| Trigger Frequency | 2kHz | 1kHz |
| Minimum Integration Time | 9µs | 9µs |

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