

AvaBench-75-MN2048CL/4096CL

Small and Powerful OEM Spectrometer Bench

New: the AvaBench-75-MN optical bench!
This miniature bench is used in the CompactLine (AvaSpec-Mini2048CL/4096CL) and is ideal for OEM integration in existing systems and handheld devices with the use of your own electronics.

In the tables below, the detailed key specifications can be found.
The AvaBench optical bench is fully compatible with Avantes' AS-7010 electronics board or may be interfaced to customer specific electronics. Video output is handled through a separate mini-coax cable.

AvaBench-75-MN



	AvaBench-75-MN2048CL-U3	AvaBench-75-MN4096CL-U3
Optical Bench	Symmetrical Czerny-Turner, 75 mm focal length, MK II	
Wavelength range	200-1100 nm	
Stray-light	0.2 - 1%	
Detector	HAM S11639 , CMOS linear array, 2048 pixels (14 x 200 μm)	HAM S13496 , CMOS linear array, 4096 pixels (7 x 200 μm)
Signal/Noise	330:1 (i.c.w. AS7010 electronics)	300:1 (i.c.w. AS7010 electronics)
Dynamic Range	3300 (i.c.w. AS7010 electronics)	
Dark Noise	16 cnts (i.c.w. AS7010 electronics)	
Interface	Coax, ZIF-8	
Dimensions, weight	94 x 67 x 19 mm, 164 grams	
Temperature range	0-55°C	

Ordering Information

AvaBench-75-MN2048CL-U3

- OEM miniature optical bench, 75 mm focal length, 2048 pixel CMOS detector. Specify grating, wavelength range* and options

AvaBench-75-MN4096CL-U3

- OEM miniature optical bench, 75 mm focal length, 4096 pixel CMOS detector. Specify grating, wavelength range* and options

*A set of defined ranges applies, contact us for assistance

More Information

Grating options and resolution specifications are equal to the AvaSpec-Mini2048CL/4096CL. More details can be found in the AvaSpec-Mini-MKII OEM manual.



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