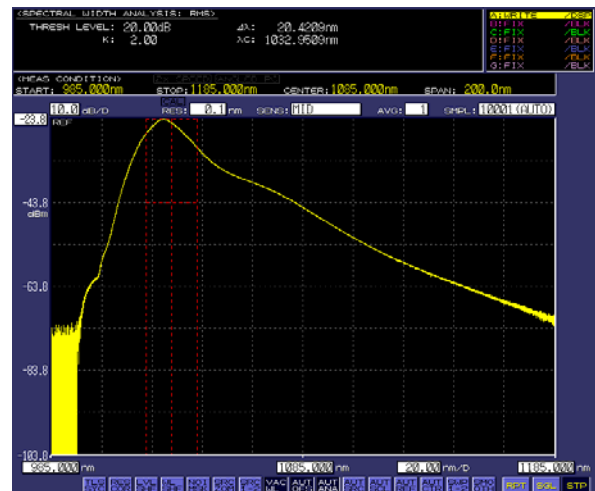


## PM High Power Broadband Source

For Fiber Sensing, Biomedical Imaging, and Testing Applications

The ASE1003PM high power broadband light source delivers more than +13dBm of output power across the 1  $\mu\text{m}$  (900-1150 nm) or 1.5 $\mu\text{m}$  (1525-1610 nm) wavelength regions. With a typical >27dB polarization extinction ratio, this ASE source satisfies the highest demands for precision component testing in fiber laser, fiber communication, and fiber sensing markets.

The ASE1003PM uses a proprietary design to perform beyond the industry standard. Key features include low intensity noise, broadband output, and exceptional wavelength stability. These new generation ASE sources have no high frequency ripples, which makes them very useful for sensor interrogation applications. The output fibers are PM98 or PM15 single-mode fiber.



### Features:

- High output power
- Wide spectral range
- High power and spectrum stabilities
- PM Fiber
- Build-in power attenuation and monitoring
- Customized design flexibility

### Applications:

- Optical component testing
- Optical fiber sensing
- Biomedical imaging

### Technical Data

Specification	W103-310-PM98	W155-310-PM15
Wavelength Range [nm]	900-1150	1525-1610
Peak Wavelength [nm]	1030	1550
Polarization Mode	Linear, along slow-axis	Linear, along slow-axis
Polarization Extinction ratio	>27dBm	>27dBm
Output Coupling	SM98-PM fiber	SM15-PM fiber
Fiber-Coupled Output Power	30 mW	30 mW
Power Adjustment	front panel 10-tern knob	front panel 10-tern knob
Output Power Stability	<0.1%	
Lifespan	10 000 Hours (Avg.)	
Operating Temperature	0 °C to 45 °C	
Drive Power	5VDC	
Included Power Supply	Universal AC/DC Converter, 100 - 240 VAC	
Dimension [mm]	205 x 120 x 40 (LxWxL, mm)	