



ISO 9001 : 2008

Certificate No.: CC 5346

### Applications

- Pump Source
- Component Test & Characterization
- Optical Spectroscopy



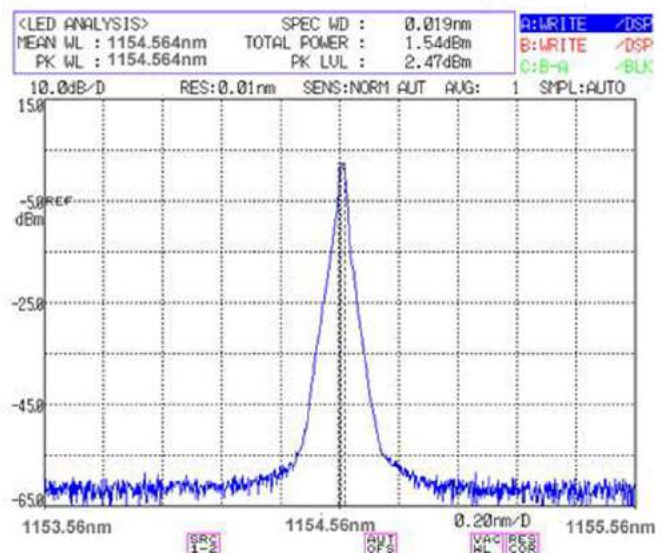
### Description

Amonics' high power Raman Fiber lasers (ARA series) find perfect applications with a high channel count and long spans such as submarine transmission systems as remote pump source to deliver high power at any wavelength in the range between 1100nm and 1650nm. In addition, test and characterization of active and passive components in the wavelength of 1100nm to 1650nm.



### Key Features

- Turnkey operation
- High output power
- Linear or Random polarized output
- RS232 or TCP/IP computer interface
- Highly reliability
- No water cooling



### Standard ARA Specifications

	ARA-xxxx-01	ARA-xxxx-05	ARA-xxxx-10
Laser Output Power	Min. 1W	Min. 5W	Min. 10W
Laser Wavelength	1100 to 1650		
Laser Linewidth	Typ. 0.1nm, Max. 0.2nm		
M <sup>2</sup>	Typ. 1.1, Max. 1.2		
Polarization	Random or Linear		
Output Power Tunability	10% to 100%		
Laser Operation	Continuous Wave or Pulsed		
Control Mode	ACC (standard), APC		

\* Other output power models are available upon request

### General Environmental Parameters

Parameter	Unit	Specification
Operation Temperature Range	°C	0 to +40
Storage Temperature Range	°C	-10 to +70
Power Supply	VAC VDC	90 – 240, 47 – 63Hz for rackmount +12.0 for module
Dimensions	mm	19" 2U Rack 485(W) x 515(L) x 90(H) for rackmount 430 x 250 x 50 for module
Control	-	Keylock switch, Pump current for rackmount Laser enable / disable, Pump current
LCD Display	-	Output power, Pump laser current for rackmount
Computer Interface	-	RS232 (Labview control software & connection cable included) / Ethernet (Option)
Protection	-	Safety Interlock
Optical Termination	-	Collimator pigtail, FC/APC, FC/UPC, SC/APC, SC/UPC
Optical Fiber	-	Single mode fiber



### Ordering Information

Product Code	ARA-xxxx-yy-zz	www: Wavelength in nm xx: Output Power in W y: M for OEM Module, R for 19" Rackmount case zz: FA for FC/APC, FC for FC/UPC SA for SC/APC, SC for SC/UPC
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Amonics undertakes a continuous and intensive product development to ensure its products perform to highest technical standards. As a result, the specifications in this document are subject to change without notice.

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