

Applications

- Pulse Characterization
- Communication
- Laser Physics
- Research and Development

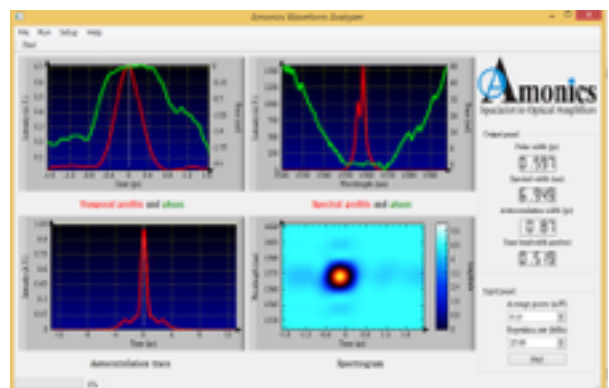


Description

Amonics' optical waveform analyzer (AOWA) is the implementation of the state-of-art technology, in collaboration with a leading University in Japan, to facilitate cutting edge optical pulse analysis. AOWA provides a complete solution to characterize optical short pulses in picosecond to femtosecond range. Full information on pulse intensity and phase can be extracted from the optical spectrum, including chirp, temporal profile, pulse shape and pulse width. The main supporting equipment required is an optical spectrum analyzer.

Key Features

- Input pulses
 - Any pulse shape, including asymmetric pulses
 - Pulse width from picosecond to femtosecond
- Output information
 - Temporal phase
 - Chirp measurement
 - Spectral phase
 - Pulse width
- Portable
- User friendly computer interface
- Simple plug and play measurement
- No mechanical alignments required
- Low cost
- Maintenance free
- Highly reliable and durable



Input Signal Requirements

Parameters	Unit	Specifications
Wavelength	nm	1300 to 1750
Pulse Width	ps	> 0.1 to 20
Temporal Resolution	fs	< 30
Average Power Sensitivity	dBm	> -20
Peak Power Sensitivity	dBm	37

General Parameters

Parameters	Unit	Specifications
Operation Temperature	°C	0 to +40
Storage Temperature	°C	-10 to +70
Power Supply	VDC	+5 ± 0.1
Dimensions	mm	100(W) x 120(D) x 22(H)
Power Consumption	W	Typ. 2.0, Max. 2.5
Control Port	-	DB-9 Female, RS232 (control software included)
Optical Connector	-	FC/APC, FC/UPC, SC/APC, SC/UPC

* Advice on interface with various models of OSAs is available on request

Ordering Information

Product Code	AOWA	
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Amonics undertakes continuous and intensive product development to ensure its product performance at the highest technical standards. As a result, the specifications in this document are subject to change without notice.

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