Scanning Autocorrelator

FEMTOWAVE®

SSANO FW01

The latest Optical Technology Creates the Future
Kyowa Fine Tech Co., Ltd

High-performance Scanning Autocorrelator with Compactly Designed Head and Powerful Software

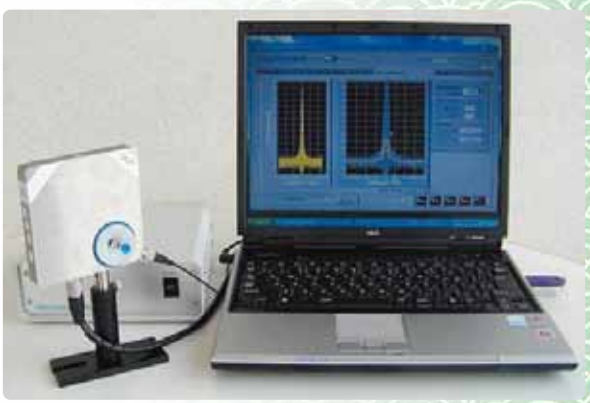
We introduce this autocorrelator for you,
who think carefully about instruments than any other person,
and would like you to use this equipment by all means.
Have you ever experienced the difficulty of autocorrelator's initial installation?
Have you ever thought that you would never like to realign the equipment you set once in the past?
And have you ever wanted to observe waveforms with bigger and easier to see screen?

Listening to on-site users voices, we developed a new type autocorrelator which is "compact" ,
"easy-to-use" , and which provides superior cost performance. We newly added this equipment to our FEMTOWAVE series products line-up.

Advanced optical design technology which enables downsizing of optical interferometers,
and advanced software technology which actualizes casual usability etc.
With those FEMTOWAVE's "Policy and Craftsmanship",
this autocorrelator has been completed.

Features

- Compact Design for Easy Layout
- Achievement of a Low Price for Easy Introduction
- Adoption of Interface for Easy Observation



Support stand and PC are required separately.

KYOWA FINE TECH CO., LTD.

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Model	High Resolution Model	Standard Model	Picosecond Model
Scanning Range (ps)	2	5	20
Maximum Measurement Pulse Width (fs)	400	1000	4000
Minumum Measurement Pulse Width (fs)	40	50	200
Delay Resolution	0.1% of Scanning Range		
Linearity	1% or less of Scanning Range		
Sensitivity (PAV*Ppeak)	$1W^2$ ※1		
Wavelength Range (nm)	700-1000 (Option is available.)		
Minimum Repetition Frequency (Measured Light Source)	1kHz or more is recommended.		
Correlation	Collinear		
Power Supply	AC100V, 50W, 50/60Hz		
Dedicated Software ※2	Alignment Mode: Mode which gives priority to responsiveness, used when optical axes are adjusted.		
	Monitoring Mode: Mode which is used when usual waveforms are observed. (Waveform display is wide.)		
	Measurement Mode: Mode which displays pulse correlation width.		
	Analysis Mode: Mode which performs function fitting.		
Output	Digital: USB (Dedicated software captures data to PC.) Analog: Separate Consultation		
Dimension (W×D×H)	Head: 100×100×18mm (Excluding projection portion) Controller: 185×180×65mm		

※1 Average Power: 2.5mW, @PMT detector, Pulse Width: 60fs, 100MHz
※2 The software's execution check environment/
OS: Win7, CPU: Celeron1GHz or equivalent, Memory: 512MB, Display: XGA with 2 USB ports
NOTE: This specifications values are measured values, not certified ones.

Related Monographs

(1) A.Watanabe, M. Hirose, H.Terane, S.Tanaka ,H.Kobayashi, and M.Hara, Rev. Sci.Instrum.55(2), 1984. (2) A.Watanabe, H.Saito, T.Tokizaki, Y.Ishida, T.Yajima, Rev.Sci.Instrum.58(10), 1987. (3) A.Watanabe, H.Saito, Y.Ishida, T.Yajima,Optics communications.63(5), 1987. (4) A.Watanabe, H.Saito, Y.Ishida, T.Yajima, Optics communications. 69(5), 1989

※Products' specifications etc. are subject to change without notice. Please note that beforehand.

■Agency

■Design/Development

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