



# TERA ASOPS



## High-Speed THz Time-Domain Spectrometer

### SPECIFICATIONS

Spectral Range	>3 THz
Dynamic Range	>60 dB (typically 80 dB)
Total Scan Range	up to 10 ns (pulse-to-pulse distance)
Rapid Sampling Rate	>600 Hz
Laser Output Ports for THz	Two fiber coupled ports, 1560 nm, FC/APC, PM fiber, <90 fs after 2.5 m patch cord
System Repetition Rate	100 MHz

### SYSTEM DIMENSIONS AND WEIGHT

Optomechanical Setup	900 x 600 x 200 mm <sup>3</sup> , 34 kg
THz Control Electronics	mounted in a 19" rack cabinet, 800 x 600 x 1800 mm <sup>3</sup> , 75 kg

### SYSTEM COMPONENTS

Optical Breadboard	Two femtosecond laser sources C-Fiber*
	Fiber coupled THz emitter and receiver modules TERA15-FC*
	THz TPX polymer lenses
TERA ASOPS Control Electronics	Laser control electronics
	Synchronization electronics
	THz electronics
	Data acquisition platform, 16 Bit, 105 MS/s
	PC and software package for measurement and data analysis

\*See product data sheet for detailed specifications.

### REQUIREMENTS

Operating Voltage	110/115/230 VAC
Frequency	50 to 60 Hz
Cooling Requirements	no water cooling required
Operating Temperature	22 ± 5 °C

### ORDERING INFORMATION

Product Code	TERA ASOPS
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Please call for pricing. Specifications are subject to change without notice. Custom modifications are available, please inquire.



Invisible laser radiation  
avoid exposure to beam  
Class 4 laser



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