



FROG Scan - a **NEW** real-time ultrashort laser pulse measurement system

VideoFROG has revolutionized laser pulse measurements. Easy, fast, reliable and accurate. Now we are applying the same concepts to pulse measurement hardware with the introduction of FROG Scan.



Measures pulses from 15 fs - Over 10 ps

Measure pulses from nearly 400 nm to 1800 nm

Good sensitivity (better than 0.1 W^2)

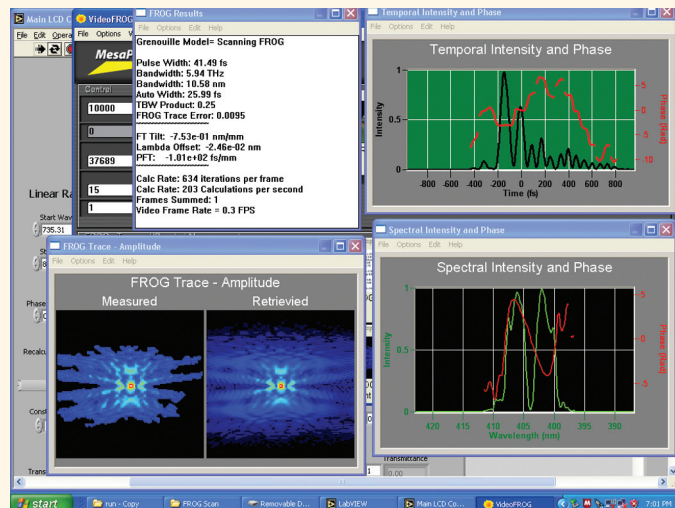
2 Hz measurement rates

Field configurable

Measure pulses with time-bandwidth products >100 's

FROG Scan:

- ◇ EASY to ALIGN
- ◇ EASY to USE
- ◇ Software Included

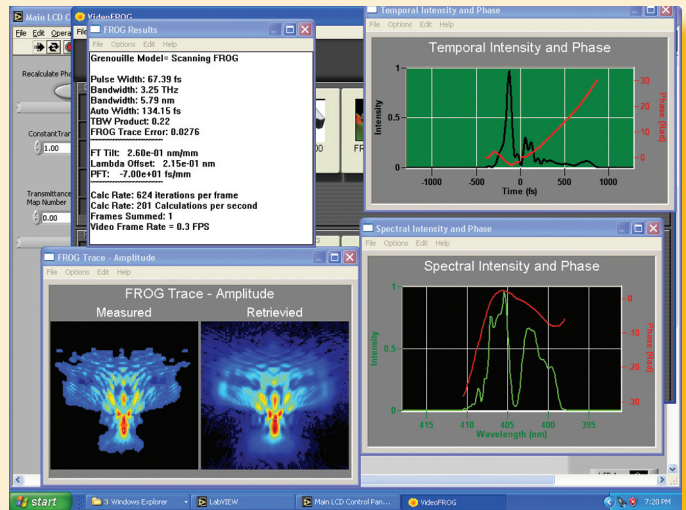
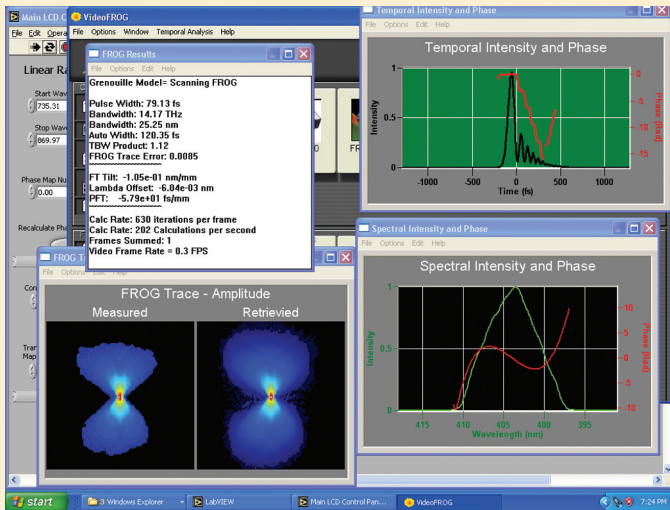


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5 Bisbee Court, Ste. 109-305 Santa Fe, NM 87508
Phone: (505) 216-5015 / info@mesaphotonics.com



SPECIFICATIONS

Input Pulse Wavelength Range	450 nm - 1800 nm
Pulse Length Range	< 15 fs - 10 ps (see below)
Temporal Range	30 ps
Temporal Resolution	2 fs or better
Delay Increment	1 fs
Spectral Resolution	0.20 nm - 1 nm
Spectral Range	100 nm - 600 nm
Pulse Complexity	TBWP > 50
Intensity Accuracy	2%
Phase Accuracy	0.01 radians
Real-time Sensitivity ($I_{\text{peak}} \cdot I_{\text{ave}}$)	4 W ²
Averaged Sensitivity ($I_{\text{peak}} \cdot I_{\text{ave}}$)	< 0.1 W ²
Input Beam Size	2 - 4 mm collimated
Nominal Polarization	Horizontal
Acquisition Speed	> 1 Hz 64 x 64 grid
Spectra required for measurement	number in grid
Size on table	6.3 in x 12 in (16 cm x 30.5 cm)
Software	VideoFROG -- Included in price

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