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FROGscan Ultrafast Pulse Measurement System, 40fs - 20ps



Stock #72-911 [CONTACT US](#)

⊖ 1 ⊕ A\$42,416⁰⁰

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Volume Pricing

Qty 1+	A\$42,416.00 each
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General

Includes Crystal: [#72-888](#)

Note:

Dimensions (cm):

Resolution (nm):
1.89

Physical & Mechanical Properties

Input Beam Diameter, 1/e² (mm):
2 - 8

Optical Properties

Wavelength Range (nm):
679 - 1243

Input Beam Polarization:
Horizontal

Spectral Resolution (nm):
0.20 - 1

Regulatory Compliance

Certificate of Conformance:
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Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- Compatible with Ultrafast Pulses Ranging from 12fs to 20ps
- User Swappable SHG Crystal with No Realignment Required
- VideoFROGScan Software Provides Real-Time Measurements

Mesa Photonics FROGScan Ultrafast Pulse Measurement System combines high accuracy, high dynamic range, and real-time pulse measurement in an easy-to-use package, making it ideal for ultrafast pulse characterization, dispersion compensation calculation, and pulse distortion diagnosis. By swapping the internal SHG crystal, the user can tune the system to meet their application needs across 12fs to 20ps pulse widths. The crystal is kinematically mounted in the system and the included VideoFROGScan control software reads the crystal specifications to remove the need for realignment after swapping. Mesa Photonics FROGScan Ultrafast Pulse Measurement System is designed to integrate seamlessly into existing experimental setups with a small 33cm x 22cm x 22cm footprint, USB interface, and an easy to align optical platform. The system's high speed, 16-bit data acquisition system ensures minimal distortion at high pulse repetition rates.