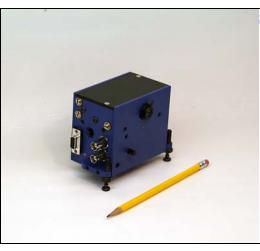


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FR-103MC FEMTOSECOND DETECTOR



Specifications:

• Sensitivity $(P_{av}P_{pk})_{min}:10^{-6} W^2$

• Resolution: <3fs

• Scan Range: > 40 ps

• Wavelength Range: 500–3000nm

• Interferometric/Non-collinear

Polarization Insensitive (TPC)

• Free-Space/Fiber-Coupled

• Computer Data Acquisition Option

• Slow Scan Option (any rep rate > 5Hz)

• Dimensions : 4.0" x 3.375" x 2.5"

The **FR-103MC** is a palm-size Autocorrelator. It can be configured either interferometric w/TPC (Two Photon Conductivity photosensor), or background-free w/NL (Non Linear crystal SHG).

As an ultrafast detector, it is easy-to-use while providing unparalleled resolution.

Ideal for OEM applications, the **FR-103MC** is suitable for a pulsewidth range of 10fs – 10ps.

It can be provided either for a free-space or fiber-coupled (FC/PC or FC/APC) input.

Optionally, it can be supplied together with the Computer Data Acquisition (/CDA) for the display and analysis of autocorrelation traces with a PC.

The standard version is suitable for pulse rep rates >10kHz. Slow Scan Option (/SSO) extends input pulse rep rates to any >5Hz.

A new version, **FR-103TPM**, provides a high-resolution pulsewidth monitor for **Two-Photon Microscopy** applications.