

PHAZZLER™

PH-1200-1550 Specifications

DUAL MODE FEMTOSECOND PULSE SHAPING AND PULSE MEASUREMENT SYSTEM

Features

- Includes FROG, SPIDER, and Autocorrelator
- Includes DAZZLER ultrafast pulse shaper model HR-1150-1600
- In-line, single beam geometry
- no re-alignment when switching between measurement techniques
- Fully computer controlled

Applications:

- Femtosecond pulse characterization, using adapted measurement method to each specific pulse shape: SPIDER for transform Limited pulses, FROG for complex pulse shapes
- Femtosecond pulse shaping with phase **and** amplitude control

PHAZZLER PH-1200-1550 SPECIFICATIONS

Laser Repetition Frequency (Frep)	Frep<30kHz	30kHz <Frep< 300kHz	Frep>300 kHz
Pulse measurement range	30 fsec to 600 fsec	50 fsec to 600 fsec	50 fsec to 600 fsec
Wavelength range*	1200-1550 nm	1200-1550 nm	1200-1550 nm
Minimum energy per pulse required	1µJ	100 nJ	2 nJ
Measurement methods available	FROG, SPIDER, Autocorrelator,	FROG, SPIDER, Autocorrelator,	FROG, SPIDER, Autocorrelator,
Input polarization	vertical	vertical	vertical
Maximum input energy	30 µJ	30 µJ	30 µJ
Maximum input diameter	2.5 mm	2.5 mm	2.5 mm
*: These values correspond to the central wavelength of a transform limited pulse			