

# PHAZZLER™

## PH-1200-1550 Specifications

### DUAL MODE FEMTOSECOND PULSE SHAPING AND PULSE MEASUREMENT SYSTEM

#### Features

- Includes FROG, SPIDER, X-FROG 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, X-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	70 fsec to 1.5 psec	100 fsec to 1.5 psec	100 fsec to 1.5 psec
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, X-FROG	FROG, SPIDER, Autocorrelator, X-FROG	FROG, SPIDER, Autocorrelator, X-FROG
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			

Product Specifications are subject to change at any time without prior notice © FASTLITE 2007. All rights reserved