

# PHAZZLER™

## PH-750-850 Specifications

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

#### Features

- Includes FROG, SPIDER, and Autocorrelator
- Includes DAZZLER ultrafast pulse shaper model HR-800
- 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 shaped pulses
- Femtosecond pulse shaping with phase **and** amplitude control
- Adapted to Ti:Sa oscillators and amplifiers

### PHAZZLER PH-750-850 SPECIFICATIONS

Laser Repetition Frequency (Frep)	Frep<30kHz	30kHz <Frep< 300kHz	Frep>300 kHz
Pulse measurement range	20 fsec to 500 fsec	50 fsec to 500 fsec	50 fsec to 500 fsec
Wavelength range*	750-850 nm	720-930nm	720-930 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

Product Specifications are subject to change at any time without prior notice © FASTLITE 2009. All rights reserved