Power Modulation Option

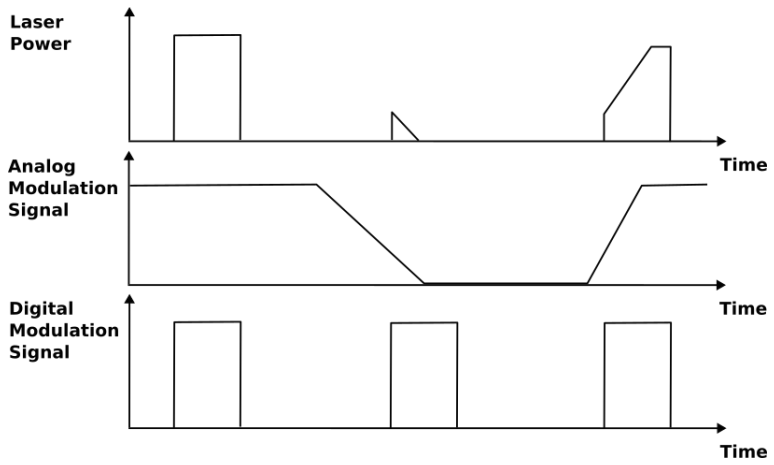
VALO Femtosecond Series | Ultrafast Fiber Lasers

The VALO Femtosecond Series ultrafast fiber lasers can be optionally equipped with a Power Modulation Option. This add-on module is attached to the laser chassis and features two modalities:

1) Analog Modulation of Output Power
2) Digital Modulation of Output Power

The output power of the laser can be modulated in the range from 0 % to 100 % by applying a voltage in the range of 0 V to 5 V. The Power Modulation Option enables rapid switching of the laser beam on and off with a modulation bandwidth of up to 5 MHz, using a 5V TTL signal. The Power Modulation Option is specifically designed and optimized for the <50 fs pulses of the VALO Femtosecond Series featuring a large optical bandwidth.

PARAMETER	SPECIFICATION
Analog Modulation of Output Power	0 % ... 100 %
Analog Modulation Input Signal	0 V ... 5 V
Digital Modulation of Output Power	ON/OFF
Digital Modulation Bandwidth	up to 5 MHz
Digital Modulation Input Signal	5 V TTL



Exemplary Illustration of the Power Modulation Option

Specifications and technical data are subject to change without notice due to technical developments.

HÜBNER Photonics

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