



SmartPicker Series - AOM

- PULSE PICKING IN ULTRA-SHORT-PULSE LASER SYSTEMS
 - BURST GENERATION
 - FAST REAL TIME PULSE CHECK
 - HIGH PRECISION PULSE PICKING

The pulse selector AOM of SmartPicker series is an ideal, easy to use signal generator with high stability and sensitivity.

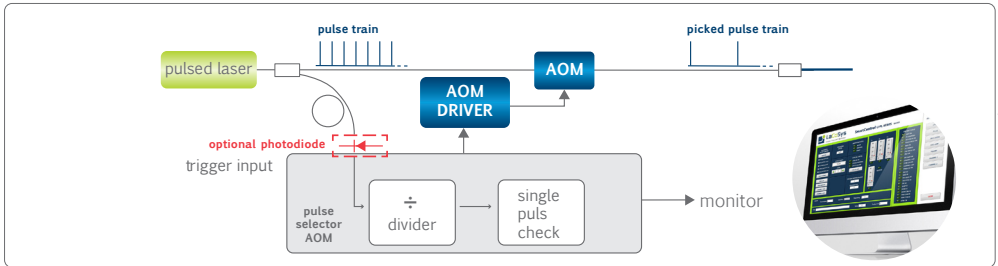
The pulse selector generates a low-jitter synchronous control signal for acousto-optical modulators.

A perfectly tuned software in combination with state-of-the-art microprocessors allows easy adjustment of delay, pulse width and control parameters. The pulse selector is able to process signals up to 200MHz. The monitor function allows an easy control of the signal path. The available divider ranges allow a wide adjustment range for the output repetition rate.

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FEATURES

- Optimized for ultra-short-pulse laser systems
- Variable trigger level
- SMA or build-in photodiode
- Pulse integrity check
- Wide range for delay and pulse width
- Standard DSUB-15 interface for AOM Driver
- Input frequencies up to 200MHz
- Output frequencies up to 40MHz
- Gate function
- Full software control (USB)
- Low power consumption
- Single pulse check
- Fully configurable PID and fuzzy controller
- 2-Stage drift compensation
- Easy-to-use software interface
- X-Series with high speed and high resolution



example

SPECIFICATIONS

	STANDARD	X-SERIES
Trigger input:	InGaAs Si SMA	InGaAs Si SMA
Min. trigger level:	10mV@20MHz	10mV@20MHz
Max. pulse input frequency:	200MHz	200MHz
Max. pulse output frequency:	40MHz	100MHz
Output rise time/fall time:	< 1.5ns	< 1.5ns
Output level:	TTL	TTL
Pulse width range:	4ns ... 1ms (0,25ns resolution)	3,8ns ... 14ns (0,01ns resolution)
Delay range:	12ns ..1ms	12ns ..1ms
Supply voltage:	24VDC	24VDC

