



AOM SmartPicker Series

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

Die SmartPicker AOM Serie eignet sich ideal zur Steuerung von akustooptischen Modulatoren. Die hohe Eingangsempfindlichkeit und hohe Stabilität erlauben eine Synchronisierung bis 200 MHz. Via USB lassen sich alle notwendigen Parameter schnell und einfach einstellen. Über die Monitor Ausgänge lässt sich der komplette Signalpfad verifizieren. Der weite Bereich der Teilerfaktoren erlaubt Ausgangsfrequenzen von MHz bis in den KHz-Bereich. Der SPC- Single Pulse Check ermöglicht ein sicheres Betreiben von komplexen mehrstufigen Lasersystemen.

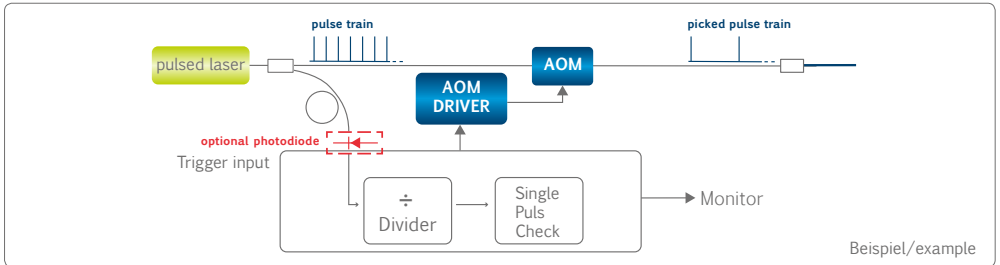
The SmartPicker AOM is an ideal and easy to use signal generator for acousto optical modulators with high stability and sensitivity. The SmartPicker allows to synchronize and delivers a divided control signal for pulsed laser systems. The software controlled micro-processor allows an easy setup of delay and pulse width. A variable signal threshold level provides best adaption to pulsed signal up to 100MHz. Direct control of the light path is possible with the monitoring function. A wide selectable divider range offers the opportunity of a wide output repetition rate.



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FEATURES

- Optimized for ultra short pulse laser systems
- Variable trigger level
- SMA or build in 1GHz photodiode (type selectable)
- Single pulse check
- Pulse level check
- Low jitter option
- Wide range for delay and pulse with
- Standard DSUB-15 interface for AOM Driver
- Input frequency up to 200MHz
- Output frequency up to 40MHz
- Gate function
- Full software control (USB)
- Low power consumption



PARAMETERS

Trigger input:	InGaAs Si SMA
Input bandwidth:	< 1GHz
Min. trigger level:	10mV@20MHz
Max. pulse input frequency:	200MHz
Max. pulse output frequency:	40MHz
Output TTL rise time/fall time:	< 1.5ns
Output SMA rise time/fall time:	< 1.5ns
Output SMA output current:	100mA@5V
Delay range:	12ns ..1ms
Pulse width range:	4ns ..1ms
Supply voltage:	24VDC

