



## SmartPicker Series - EOM

- + PULSE SELECTION +
- + PULSE GENERATION +
- + PHASE CONTROL +
- + LASER POWER CONTROL +
- + LASER STABILIZATION +

The pulse selector EOM 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 electro-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.

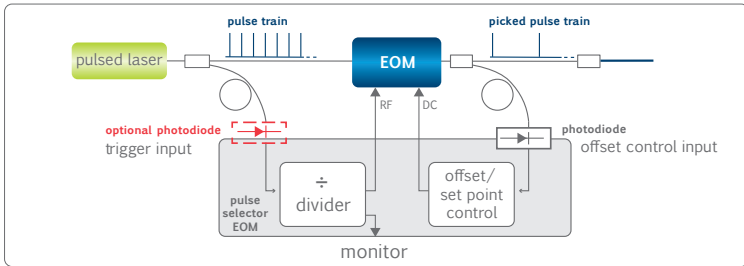
The available divider ranges allow a wide adjustment range for the output repetition rate.

# SmartPicker Series - EOM

## FEATURES

- Automatic working point stabilization
- EOM-RF up to 7,5Vpp
- EOM-DC out  $\pm 10V$
- Input frequency up to 200MHz
- Full software control (USB-C)
- Variable trigger level (10mV ... TTL)
- Trigger / Gate function
- PCB – version on request
- Easy-to-use software interface
- Fully configurable PID and fuzzy controller
- 2-Stage drift compensation
- X-Series with high speed and high resolution

**NEW**



example



## SPECIFICATIONS

	STANDARD	X-SERIES
Offset control input:	Photodiode	Photodiode
Sensitivity range:	20nW ... 10mW	20nW ... 10mW
Divider:	1 ... 2047	1 ... 16383
Max. trigger frequency:	200MHz	200MHz
Max. output frequency:	40MHz	100MHz
Trigger input:	SMA (50 $\Omega$ ) (optional PD)	SMA (50 $\Omega$ ) (optional PD)
RF fall / rise time:	< 5ns	< 3ns
RF output current:	100mA @ 5,5Vpp (50 $\Omega$ )	100mA @ 5,5Vpp (50 $\Omega$ )
Pulse width range:	4ns ... 1ms (0,25ns resolution)	3,8ns ...14ns (0,01ns resolution)
Delay range:	12ns .. 1ms	3,8ns ...14ns
DC output:	+/- 10V	+/- 10V
DC output impedance:	1k $\Omega$	1k $\Omega$
Monitor output:	TTL (100mA@50Ohm)	TTL (100mA@50Ohm)
Input voltage:	24VDC	24VDC

