peakDetect

Peak Power Monitoring with peakDetect

- peakDetect by APE is an innovative measurement device for precise monitoring of variations in peak power to help you maintain reliable laser and process stability.
- The data collected with peakDetect allow you to identify laser pulse issues which affect peak power and which would otherwise not be measurable.
- The compact and robust design makes peakDetect ideal for incorporation into larger laser systems or production lines and as a portable service tool.

Your Path to peakDetect

- peakDetect is your key to the world of measuring variations in peak power.
- Since no two laser models are the same, APE helps you to customize your individual peakDetect device. Starting with your specific laser parameters and objectives, we support you each step of the way, towards implementing a peakDetect solution at your company. Demo units are available on request.

- peakDetect quantifies peak powers for femto and picosecond lasers
- The software makes it easy to identify and monitor peak power changes over time
- The small form factor allows for easy integration into laser setups

peakDetect Specifications

Specifications

Wavelength Range	700 ... 1100 nm
Pulse Width Range	50 fs ... 10 ps
Repetition Rate	1 kHz ... 1 MHz (with internal measurement) > 1 MHz (with manual entry)
Input Polarization	Linear / any orientation
Computer Interface	USB / Java based software
Power Supply	via USB connector

Options

- Other wavelength ranges on request

Applications

- Optimization of laser performance e.g. for laser production, microscopy or nonlinear micro-machining
- Medical diagnostics and calibration e.g. for ophthalmology
- OEM laser quality measurement

Dimensions

44 x 80 x 41 mm (See appendix for details)

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