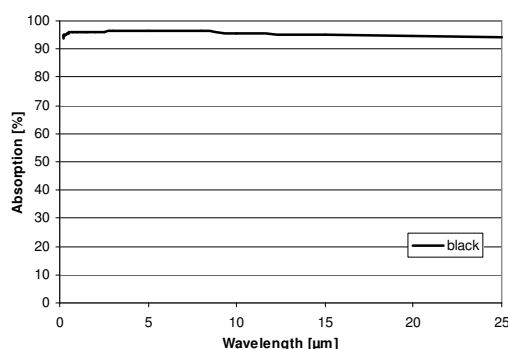


Series PEM USB

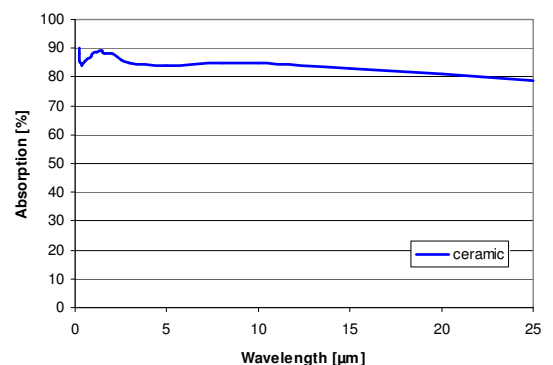
This pyroelectric detector head PEM45KUSB respectively PEM45USB is a combination of a robust pyroelectric sensor with a read out electronic with USB-port. It can be connected to an oscilloscope using the BNC-connector or to a PC using the USB port. In USB mode the BNC connector is an external trigger input.

The output signal is transferred to a connected PC via USB. The device is powered from the USB-port. To display the measured values an user friendly software is available. The Pyrobox communicates with the computer using ASCII code and is very easy to integrate into your existing software program or system.

	PEM 45 USB	PEM 45 K USB
active diameter	45 mm	45 mm
sensitivity with oscilloscope	8 .. 15 V/V	1,5 .. 3,5 V/V
working range with USB	100 μ J – 200 mJ	1 mJ – 1 J
repetition rate	30 Hz	30 Hz
max. average power	5 W	5 W
max. energy density	150 mJ/cm ²	1 J/cm ²
max. pulse density	8 MW/cm ²	120 MW/cm ²
accuracy	± 5 %	± 5 %
connector	BNC, USB	BNC, USB
dimension	diameter 68 mm, length 53 mm	



Absorption PEM 45 USB



Absorption PEM 45 K USB

