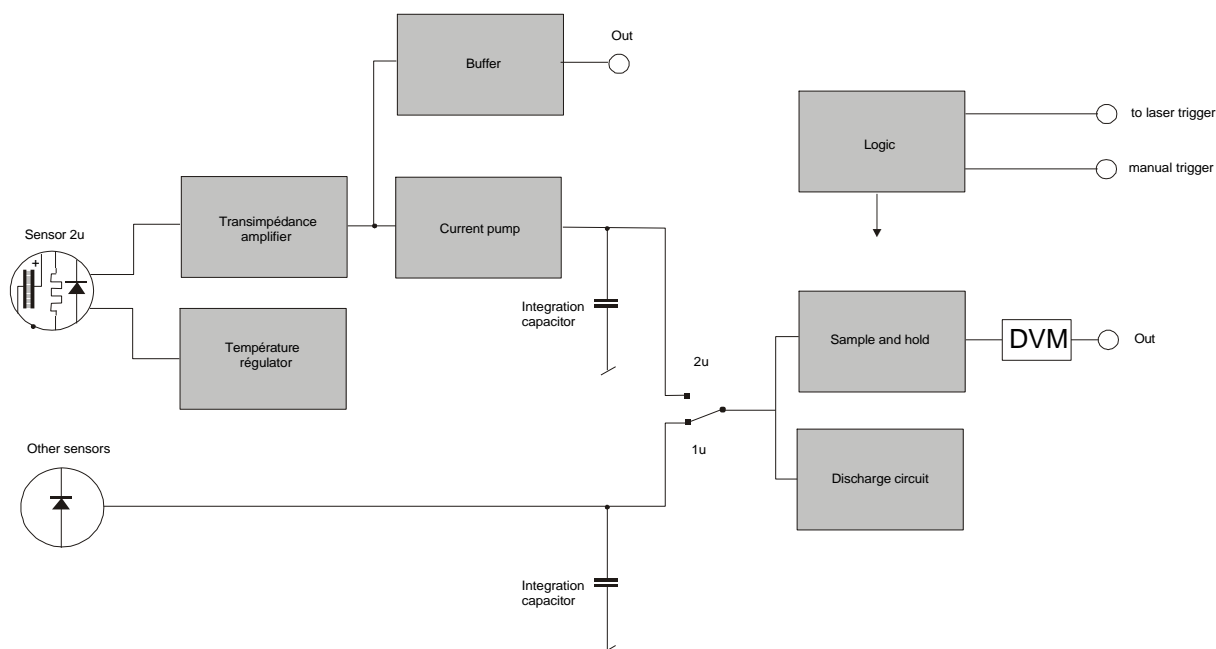


Sample and Hold Laser Joulemeter

The J1 laser joulemeter is a precision device developed by LaserVET that is able to measure a single pulse of laser light between 0,2 μ m and 2,2 μ m with high reproducibility. Measurement from 0,19 μ m to 2,5 μ m can be made with a lesser precision.

Specifications

Maximum energy measurement (Switch selectable)	0 - 10 joule or 0 – 0.2 joule
Reproducibility	<1%
Maximum frequency repetition	10Hz or 10kHz
Display	4 ½ digits
Trigger output	10Hz: relay 10kHz: CMOS
Output voltage	0 – 10V
Size	173 x 154 x 60mm
Power supply	110-230V 50–60Hz



Order numbers

J1	standard joulemeter
J1- R	joulemeter with IR extension

Laser heads shall be ordered separately

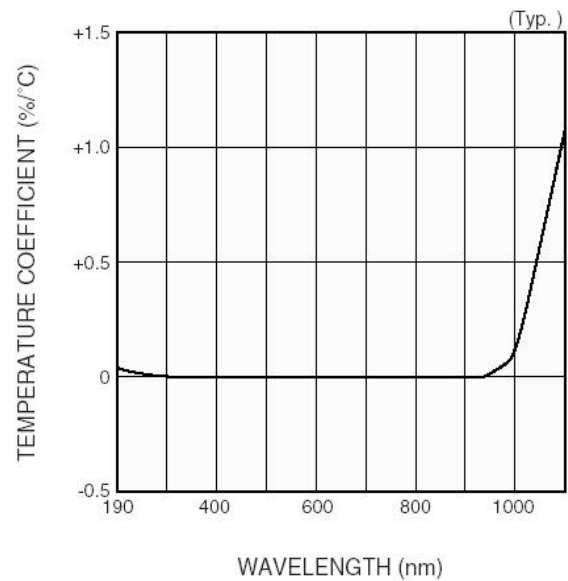
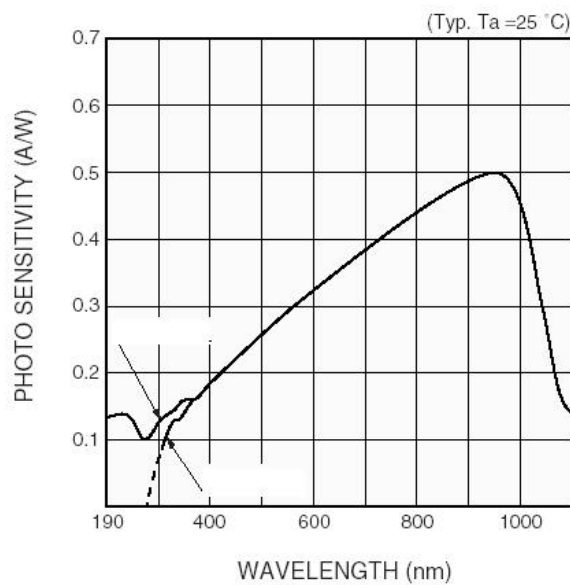
Laser heads

Specifications

Diameter	25mm (Microbench compatible)
Length	120mm
Active surface diameter	15mm
Maximum energy density	40 J / cm ²

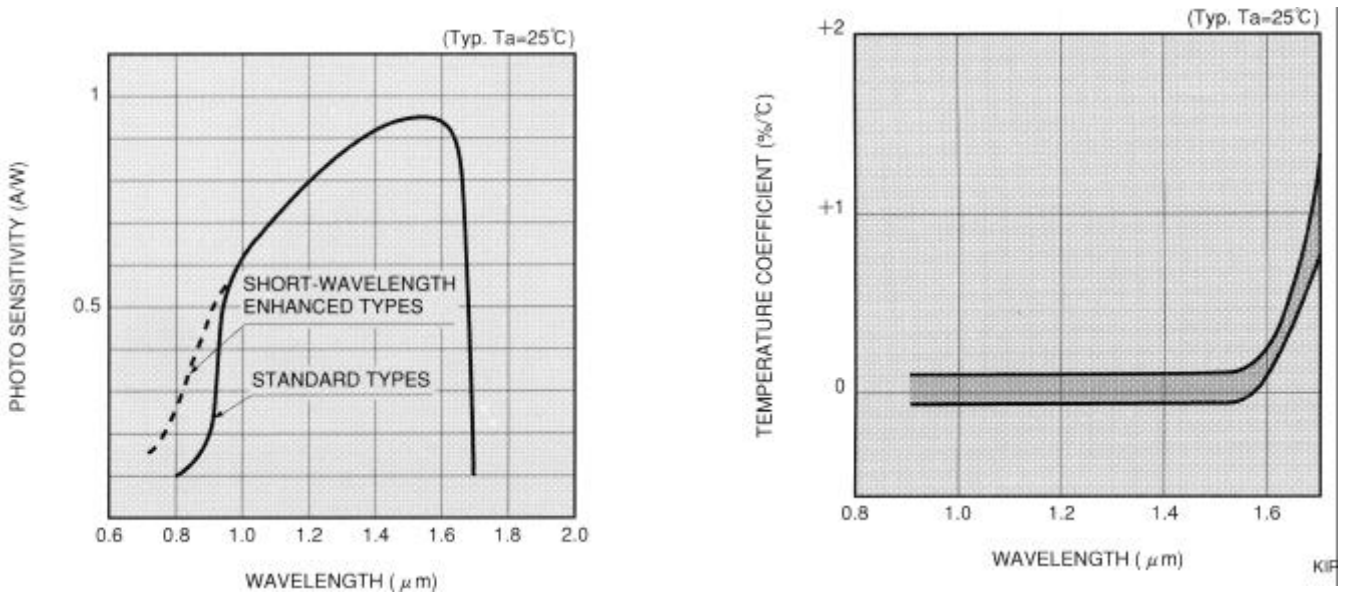
Each laser head can be calibrated for one wavelength or the entire spectrum

UV laser head 0,19um – 0,95um
VIS laser head 0,35um – 0,95um



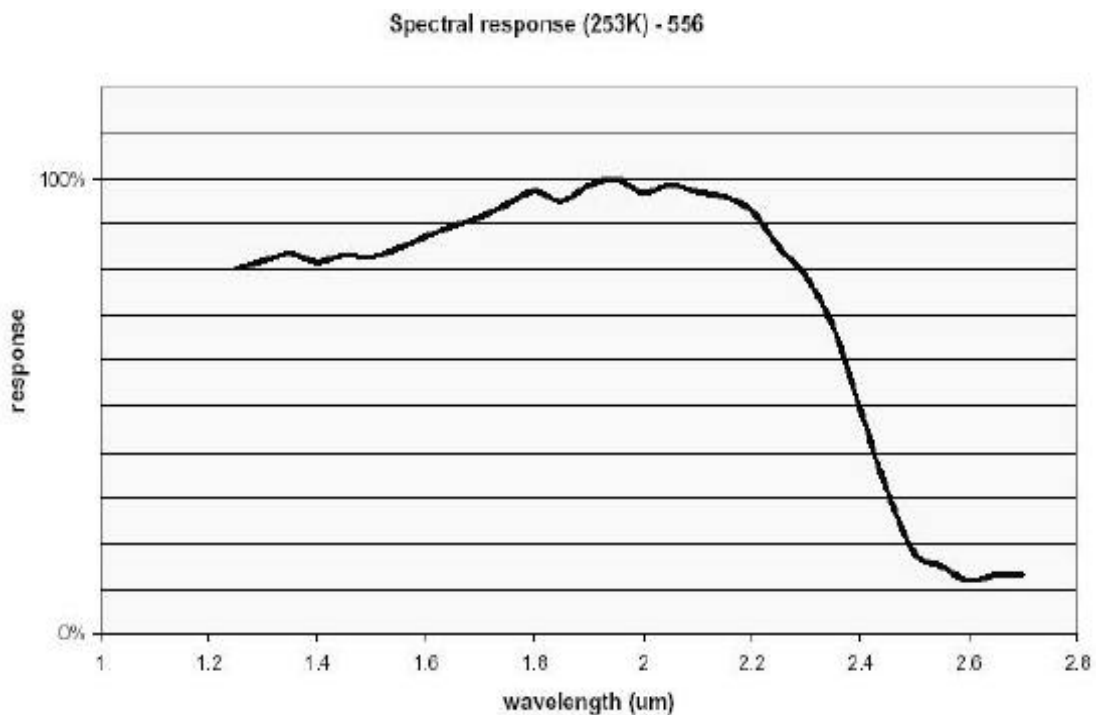
This laser head has a very low temperature coefficient between 300nm and 950nm

Near IR laser head 0,9um – 1,6um



Because of the low temperature coefficient, this laser head is the preferred for Nd:YAG laser measurement @1064nm. Standard calibration @1064nm

IR laser head 1,4um – 2,2um



Because of the high dark current, this laser head is Peltier cooled