



Series PEM HiRep

Energy Sensor Heads for High Repetition Rates



	PEM 12 HiRep	PEM 24 HiRep	PEM 12 HiRep UV	PEM 24 HiRep UV
active diameter	12 mm	24 mm	12 mm	24 mm
sensitivity	20..30 V/J	20..30 V/J	35..45 V/J	35 .. 45 V/J
max. repetition rates	750	750	2,5 kHz	1,2 kHz
max. average power	2 W	5 W	2 W	5 W
max. energy density (10 ns pulse)	80 mJ/cm ²	80 mJ/cm ²	50 mJ/cm ²	50 mJ/cm ²
max. peak power density (10 ns pulse)	8 MW/cm ²	8 MW/cm ²	5 MW/cm ²	5 MW/cm ²
working range	30 μJ - 100 mJ	30 μJ - 350 mJ	30 μJ - 60 mJ	30 μJ - 250 mJ
accuracy	±3%	±3%	±3%	±3%
dimension (diameter x length)	40 mm x 40 mm	55 mm x 40 mm	40 mm x 40 mm	55 mm x 40 mm