



# PEM 30 K – VUV – KF 40

*Laser Energy Sensor Head specially designed for VUV – 157 nm*



active diameter	30 mm
sensitivity	1.5 .. 2.5 V/J at 1 MOhm
repetition rate	50 Hz at 1 MOhm
max. average power	30 W
accuracy	±5 %
detection threshold	1mJ
electrical connector	BNC
vacuum connector	KF 40 ND
dimension	diameter 100 mm, length 96 mm (including BNC– and vacuum connector)
read out unit	LEM 2020 or scope

permissible power– and energy densities:

laser	power density	energy density
<b>Excimer, 157 nm, <math>\tau = 10</math> ns</b>	30 MW /cm <sup>2</sup>	300 mJ/cm <sup>2</sup>
<b>Excimer, 157 nm, <math>\tau = 20</math> ns</b>	22 MW /cm <sup>2</sup>	440 mJ/cm <sup>2</sup>