

# SuperK EXTREME


## General platform improvement

We have updated the SuperK EXTREME platform, which means that the visible power stability of the laser has improved significantly and will typically be under +/-0.25 % over two hours (datasheet will not be updated). This means that we are removing the *Power Mode*, and the laser will only operate in *Current Mode*. The change is effective from October 2019.

The power lock and external feedback is still available.

## Test Report

We have updated the test report for SuperK EXTREME in a new simplified format, so it matches the datasheet.

TEST REPORT


**SuperK EXTREME EXW-12, NIM**

PRODUCT NUMBER: S442-125-041  
 SERIAL NUMBER: K0000242  
 TEST DATE: 2019-Aug-21  
 OPERATOR: KBA  
 COMMENT:

SPECIFICATION	VALUE	UNIT
Fundamental Repetition rate	78.1	MHz
Total Power	4.4	W
Visible power (<math>\lambda < 850\text{nm}</math>)	1.1	W
Visible power Stability over 2 hours	0.1	Rel. rms (%)
Minimum wavelength (<math>\lambda < 0.1\text{mW/nm}</math>)	450	nm
Spectral power density @ 500nm	3.1	mW/nm
Spectral power density @ 600nm	3.8	mW/nm
Spectral power density @ 700nm	2.1	mW/nm
Spectral power density @ 800nm	1.2	mW/nm

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