

## Q-MACS Basic 1.5 TO8



### technical specification

The Q-MACS Basic 1.5 TO8 is an advanced QC Laser driver system for absorption spectroscopic applications. The Q-MACS Basic 1.5 TO8 has nearly the same functionality as the Q-MACS Basic but with a very small laser head. It can be utilized for research and industrial purposes. The Q-MACS Basic 1.5 consists of the compact QC laser head, a power supply and a cable connection. It comes with a special control software (Q-MACSoft 2.0) to drive the QCL and monitor your process.

head	dimensions	25 mm x 25 mm x 50 mm [1]																																			
	weight	62 g [1]																																			
	connectors	Binder RD08 Serie 711 SMA																																			
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	tested TO-8 QCL	Laser Components, nanoplus																																			
pulse driver	supply voltage	+9 V																																			
	QCL voltage	0 – 15 V																																			
	QCL current	max. 2 A																																			
	frequency	1 Hz – 1 MHz																																			
	pulse width	10 ns – 1000 ns																																			
temperature controller	max. TEC voltage	1.8 V																																			
	max. TEC current	±1.5 A																																			
	QCL temperature range	-20 °C to +30 °C																																			
	heat sink	air or water cooling																																			

[1] without additional heat sink