



# neoplas control

solutions for your operations in gases and plasmas



## Q-MACS Basic MC

The Q-MACS Basic MC Multi-Channel is a system for parallel measurement of up to eight gas species at different wave numbers and is able to drive up to eight QCL in pulsed or cw mode. Therefore one Q-MACS Basic LH3-II can be operated on each of the eight channels.

A special software enables the clear control of all channels.

The flexible application options enable the user to master a wide variety of laser control tasks.



### general

description	Eight channel laser drivers for controlling up to eight Q-MACS Basic LH3-II Laserheads.
dimensions	64 mm x 64 mm x 170 mm (L x H x D)
weight	<2 kg
supply voltage	230VAC @ 50Hz
connection to PC	USB
Inputs	Trigger (TTL) Secure Switch (short or open) Bias Voltage

### each channel contains

a controller for	-monitoring of all parameters -control of all settings -communication with other channels and the PC
a programmable unit for	-adjustment of various operational modes -free configuration of the ramp -providing the QCL-pulses -providing a detector gate pulse
an electricity supply for	-QCL-laser head -stable supply voltage -electricity and voltage controllable QCL-feed-in
a controller for	-ramp -TEC-temperature

### operating and storage conditions

operating temperature	5 °C - 40 °C
operating humidity	15 % - 75 % (rel.)
storage temperature	-40 °C - 70 °C
storage humidity	10 % - 100 % (rel.)