



QMIX Q- REACTION MODULE

DESCRIPTION

The Qmix Q- reaction module enable an accurate and fast temperature control within a temperature range from -10 °C to +100 °C on a 40 x 40 mm footprint. A precise thermoelectric Peltier element is used for accelerate temperature control independent from surrounding conditions. To improve the cooling performance, the module can be adapted to an externally cooling circuit in order to perform critical reactions or fast reaction screening.



PRECISE TEMPERATURE CONTROLL

To achieve lower temperatures, this module is equipped with special interfaces for the connection to an externally cooled liquid system, for example you can use tap water, ice water as coolant or an external chillier. In order to provide you with the maximum flexibility, chip holder is individually designed to fit your chip layout.

PROCESS AUTOMATION VIA QMIXELEMENTS

The Windows-based operating software QmixELEMENTS, offers the full and comfortable access to all control parameters of your Q- module as well as further CETONI products.

With QmixELEMENTS software you can display and record the process data and controlled parameters of each controller channel both as diagram curves and in CSV files. This allows you to visualize and analyse changes in the process data after automated, script-based reaction screening is completed.



MECHANICAL DATA

Weight.....2.1 kg
Dimensions (L x W x H)..... 310 x 98 x 90 mm

ENVIRONMENT

Operating Temperature0 – 50 °C
Storage Temperature.....-20 – 75 °C
Operating Humidity.....20 – 90 %, non-condensing
Storage Humidity20 – 90 %, non-condensing

ELECTRICAL DATA

Peak Power Consumption..... 80 W
Power Supply Voltage (Input).....24 V DC

INTERFACES

CAN.....max. 1 Mbit/s
Fluidic connections..... flanged tubings

PERFORMANCE DATA

Max. heating temperature 100 °C
Min. cooling temperatureca. 30 K (below RT)
Fluidic Connections..... ¼"-28 UNF
Reactor Area (LxW) 40 x 40 mm