MOHR & CO

Electronic laboratory controller Type HM-RX4001

Description:

The ready-to-plug-in, microprocessor-controlled temperature controller is housed in a sturdy table-top case and is intended for permanent use where product temperatures must be kept constant over time.

This controller is equipped with versatile additional functions, e.g. up to 8 time/ temperature ramps, timer and PC interface RS 485 - as accessories we offer PC loader software and appropriate connection cable. The interface of the controller plug-in unit is connected to a 9-pin D-Sub socket.

Two 5-pole diode sockets are provided for the sensor connection and the potential-free alarm output. The heater can be connected via a Schuko socket with all-pole fuse protection. The temperature controller is disconnected from the mains by the 2-pole main switch.

Features:

- two displays for indication of setpoint and actual value
- operation via function key
- settings via parameter level- input: Pt-100 or thermocouples
- freely adjustable temperature range 0 - 1200°C
- 8 time / temperature ramps
- PC interface RS 485

Technical data   HM-RX4001

nominal voltage	230 V AC
switching power	2300 W
switching current	10 A
consumer connection	schuko built-in socket
sensor input	Pt100, thermoelement
temperature range	0 - 1200°C
control accuracy	0,5 %
software interface	RS 485
protection class	I
protection type	IP 20
Power supply line	1,5 m with schuko-plug
dimensions	175 x 135 x 230 mm (B x H x T)

Order data

type	sensor connection	alarm connection	order-no.
HM-RX4001	diode socket	diode socket	65004001

Temperature sensors

sensor	type	technical data	diode plug	order-no.
Pt-100	HM-TP2	mantel element V2A until 500°C Ø 4 x 50 mm, connection 2000 mm	yes	62002120
Pt-100	HM-TPG	mantel element in a glass tube until 500°C Ø 6 x 400 mm, connection 1500 mm	yes	62002150
NiCr-Ni	HM-TNS	inconell rod probe 600 until 1200°C Ø 1,5 x 300 mm, connection 1500 mm	yes	62002200
NiCr-Ni	HM-TNF	flat sensor V2A until 400°C Ø 0,4 x 15 x 400 mm, connection 1500 mm	yes	62002250

Other temperature sensors on request

Accessories

PC loader software	order-no. 65004021
RS connection cable	order-no. 64004031
USB connection cable	order-no. 65004032

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Specifications are subject to change without notice   HM-RX4001-e 04/23