



ISOHEAT®



High Tech Engineering

LabHEAT® Electronic laboratory regulator series KM-RX1000

Description:

Electronic microprocessor-controlled temperatur regulator contained in a stable table housing, ready to plug in and intended for use in laboratories and technical facilities where it is necessary to keep product temperatures constant. The built-on support clamp allows to fix support rods or to integrate the laboratory regulator within support wall. Two diode 5-pin diode sockets are provided for the sensor connection and the potential-free alarm output (KM-RX1001) – available also with thermo socket (KM-RX1003) or simply with terminals (KM-RX1004).



with diode socket KM-RX1001

Features:

- two displays to indicate nominal and actual value
- PID characteristic
- with ramp function
- USB port for external configuration
- Sensor input: Pt-100 or thermocouple
- free adjustable temperature range 0 - 1200°C
- Heating is switched on and off by two poles



with thermo socket KM-RX1003



with terminals KM-RX1004

Technical specification

KM-RX1000

nominal voltage	230 V AC
switching capacity	2300 W
switching current	10 A
load connection	safety socket
sensor input	Pt100 or thermocouple
temperature range	0 - 1200°C
control accuracy	0,5 %
protection class	I
system of protection	IP 20
power supply cable	1,5 m with Schuko-plug
dimension	205 x 140 x 75 mm

Ordering details

type	sensor input	alarm output	part-no.
KM-RX1001	diode socket	diode socket	65001001
KM-RX1003	thermo socket	terminals	65001003
KM-RX1004	terminals	terminals	65001004

Temperature sensors

sensor	type	technical specifications	diode plug	part-no.
Pt-100	KM-TP2	sheath element V2A up to 450°C Ø 4 x 50 mm, connection cable 2,0 m	Yes	62002120
			No	62000120
Pt-100	KM-TPG	sheath element in glass tube up to 250°C Ø 6 x 400 mm, connection cable 1,5 m	Yes	62002150
			No	62000150
NiCr-Ni	KM-TNS	rod sensor out of Inconell up to 1200°C Ø 1,5 x 300 mm, connection cable 2,0 m	Yes	62002200
			No	62000200
NiCr-Ni	KM-TNF	flat sensor V2A up to 400°C Ø 0,4 x 15 x 400 mm, connection cable 1,5 m	Yes	62002250
			No	62000250

Temperature sensors with other dimensions – available on request



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