

## Electronic temperature regulator series HM-RD 1000



### Description:

Electronic microprocessor controlled temperature regulator for demanding functions for the heating of machines, pipes and plants. The user has the choice between a direct clamp connection or a common multi-pole-plug for heating and thermocouple.

### Features:

- stable table- and wall housing with transparent cover
- very flexible by PID- optimisation
- two displays for shown set and actual temperature value
- 2-pole main switch illuminated
- operation via press function-key
- parameter level settings
- input sensor: PT-100 or thermocouple
- temperature range 0 up to 1200 °C
- switching power up to 16 A
- changeable controller modul

## Technical data

## HM-RD1000

nominal voltage	230 V AC
nominal current	see order data
switching power	2300 W or 3650 W
sensor input	PT-100 or thermocouple
temperature range	0 - 1200°C
accuracy	0,5 %
data security	EEPROM
EMV compatibility	EN 61326
protection class	I
system of protection	IP 65
ambient temperature	0 - 50°C
main cable	1,5 m with standard plug
dimension	165 x 160 x 135 x mm (w x h x d)

## Order data

type	heating and sensor connection	switching power W	switching voltage A	order-no.
HM-RD 1011	screw clamp	3650	16	61001011
HM-RD 1002	7-pole-plug	2300	10	61001002
HM-RD 1012	5-pole-plug.	3650	16	61001012

## Accessories

temperature sensors	type	technical data	order-no.
PT-100	HM-TP2 2-wire	sheath element V2A up to 500°C Ø 4 x 50 mm, wire length 2000 mm	62000120
PT-100	HM-TP4 4-wire	sheath element V2A up to 500°C Ø 4 x 50 mm, wire length 2000 mm	62000140
NiCr-Ni	HM-TNS	bulb sensor Inconel up to 1200°C, Ø 1,5 x 300 mm, wire length 2000 mm	62000200
controller modul	HM-ST48		61001200

Other temperature sensors on request



Temperature regulator  
HM-EC 210



Double temperature  
regulator HM-RD 2000



Regulator- and limiter-  
combination HM-RD 3000



EExi-Regulator combination  
HM-RD 4011

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