

## Electronic temperature regulator series HM-RD1053



### Description:

Electronic microprocessor controlled temperature regulator for max. 3 heater,  
for example silicon heaters.

But temperature control only with one sensor from one heater.

### 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-RD1053

nominal voltage	230 V AC
nominal currency	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
maincable	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	order-no.
HM-RD1053	7-pol. plug	3650	61001053

Other temperature regulators or capillary pipe-thermostats on request.

## 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 Inconell 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-EC210



Double temperature regulator  
series HM-RD2000



Regulator- and limiter-  
combination HM-RD3000



EExi-Regulator combination  
HM-RD4011

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