



Laboratory controller with microprocessor LTR 4200(-E)

- Economically priced
- high-technology
- Comfortable and simplest handling



Laboratory controller LTR 4200

After connection of sensor and consumer load the setpoint and control temperature have to be adjusted.

It is possible to chose between different parameters, therefore the appliance is able to selfoptimize. Furthermore it is possible to used the controller as signal device. An uncontrolled over- or undershooting is avoided. Even possible is the adjustment of the switching-intervalls of the output relay.

The metering of capacity is stepplessly adjustable by the burst-firing mode from 1 to 99% while the pulse length is indicated by a white glow lamp. RFI level is "K"

The security temperature is programmable by an integrated controller "Security" as like the control temperature. This controller is configured as signal device but has the same options like controller "R".

If the programmed security temperature is reached, the appliance turns off in all poles and the red glow lamp lights up. Operations are only possible again, if the security temperature is understepped and the unlock-key is pushed.

Laboratory controller LTR 4200-E

Like LTR 4200, but the right controller is analog and is only programmable as security controller.

Technical datas:

Type	LTR 4200	LTR 4200-E
Housing	Alu housing, red varnished, front and back plate anodized	
Dimensions W x H x D in mm	125 x 215 x 135	
Weight kg	2,0	
Measurement range Pt 100	-199,9 + 649,9 °C	
Control range Pt 100	0 + 400 °C	
Measurment and control range for TC	J = 0 + 1200 °C, K = 0 + 1372 °C, S = 0 + 1769 °C	
Actual temperature display	12 mm high, red	
Setpoint temperature display	9 mm high, green	
PID-Stellverhalten	Free selectable or autotuning	
Indication accuracy	± 0,8 K Pt 100, ± 2 °C	
Control accuracy	± 0,1 °C for adequate optimization	
Heating power adjustable	stepplessly from 1 to 99%, RFI level is K	
Sensor Pt 100	1 sensor 2 x Pt 100	
	2 sensor 1 x Pt 100	
	Tuchel socket 7-Polig	
Sensor TC	2 TC sockets; one for controlling TC and one for security TC	
Alarm	Free adjustable or matched	
Security circuit DIN 12879	free adjustable; shut-down in all poles	
Breaking capacity	10A / 230 V, ohne resistive load, Option: 15A = 3,3KW	