



Laboratory controller with microprocessor LTR 4200 (B)

- comfortable and simplest handling
 - high-technology
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Laboratory controller LTR 4200

After connection of sensor and load the setpoint of Regulator and Security control have to be adjusted.

It is possible to chose a wide range of feedback-Parameters, also the device is able to self-optimize to avoid uncontrolled over- or undershooting. Furthermore it is possible to use the controller as signal device.

Even possible is the adjustment of read-out interval of the regulator modules.

The adjustment of output-power is steeples 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 device turns off all poles and the red glow lamp lights up. Further working is only possible, if the security temperature was underride and the unlock-key is pushed. Like LTR 4200B, but additional 3. temperature display.

LTR 4200 (B)

Type	LTR 4200	LTR 4200-B
Housing	Alu housing, red coated, front and back plate black anodized	
Dimensions (W x H x D in mms)	125 x 215 x 135	
Weight in kg	2,00	2,10
Range of measurement (Pt 100)	-199,9...+649,9°C	
Range of control (Pt 100)	0 + 400°C(other ranges possible)	
Range of measurement / control TC	J = 0...+1200°C, K = 0...+1372°C, S = 0...+1769°C	
Actual value indication	12 mm high, red	
Setpoint indication	9 mm high, green	
PID adjustment characteristic	Free selectable or auto-tuning	
Indication accuracy	± 0,1 K Pt 100	
Control accuracy	± 0,1 K for adequate optimization	
Sensor sockets Pt 100	1 Sensor 2x Pt 100 or 2 Sensors 1 x Pt100	2 Sensor 1 x Pt 100 and 1 Sensors 1 x Pt100 or 3 Sensors 1 x PT 100
	Tuchel socket 7-pole	Tuchel socket 7-pole
Sensor sockets (thermocouples)	2 TC sockets	3 TC sockets
Alarm	Free adjustable or matched	
Security shut-down	Free adjustable, shut-down all poles	Free adjustable, shut-down all poles
Breaking capacity	10A / 230 V, resistor load, Option: 15A = 3,3KW	
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