



# Laboratory controller LTR 3500(-S)

- comfortable and simplest handling
- high indication and controlling accuracy
- economically priced and space-saving



## Laboratory temperature controller LTR 3500 with microprocessor

Actual value and setpoint permanently visible. Selfoptimization and direct connection of resistance-thermometers by 4-pole Lemos socket, wired according to "laboratory automatization workgroup". Robust housing and stand mounting part. After reaching of security temperature all pole disconnected. Sensor break and short-circuit control.

## Laboratory temperature controller LTR 3500-S with security controller

Like LTR 3500, but with digital security controller and for connection of one resistance-thermometer 2x Pt 100 or two resistant-thermometers 1x Pt 100.

### Technical datas:

Type	LTR 3500	LTR 3500-S
Housing	Aluminium coated	
Dimensions (W x H x D in mms)	125 x 177 x 135	
Weight in kg	1,3	1,5
Range of measurement (Pt 100)	-199,9...+649,9°C	
Range of control (Pt 100)	-199,9...+649,9°C	
Range of measurement and control (thermocouple)	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°C with accordant optimization	
Sensor sockets Pt 100	1x Pt 100	2x Pt 100
Sensor sockets (thermocouples)	4-pole Lemos	4-pole Lemos
Alarm	Single	
Security shut-down	-	Double
Breaking capacity	Free adjustable or assigned	
	-	Free adjustable, all pole disconnection
	10A / 230 V, pure ohm resistive load, option: 15A = 3,3KW	