



Laboratory controller

LTR 2500

- Low-cost temperature controller
- High-technology
- Suited for all kind of sensor type
- Simple handling
- Self-optimization
- Large LED display
- Breaking capacity 230 V / 10 A

The temperature controller LTR 2500 offers an optimum in accuracy and reliability. It is used for temperature controlling of immersion heater, dryer etc...

All kind of sensor types are useable (please specify the plug type in case of order). The 4-digits LED display is configurable with 2 digits after comma, that means up to 999,9 or 99,99 and above without comma.

The ranges of temperature are:

Resistance-thermometers Pt 100 and Pt 1000: -200...850°C, KTY: -50...+150°C

Thermocouples:

Fe-CuNi „L“	- 200 + 900°C	Fe-CuNi „J“	- 210 + 1200°C
Cu-CuNi „U“	- 200 + 600°C	Cu-CuNi „T“	- 270 + 400°C
NiCr-Ni „K“	- 270 + 1372°C	NiCrSi-NiSi „N“	- 270 + 1300°C
Pt10Rh-Pt „S“	- 50 + 1768°C	Pt13Rh-Pt „R“	- 50 + 1768°C

For resistance-thermometers a 4-pole Lemos socket is used, which is suggested by “laboratory automatization workgroup”. For thermocouples the according thermocouple sockets are used.

Technical datas:

Dimensions:	Plastic housing 160 x 82 x 130 mm
LED display:	10 mm high green
Measurement accuracy:	for resistance-thermometers 0,1%, for thermocouples 0,4%
PID adjustment characteristics:	free selectable or self optimization/-ramp function
Sensor protection:	for resistance-thermometers in case of sensor/short circuit and sensor/cable breach, for thermocouples sensor/cable breach as well as in case of over-under-running the range of measurement
Breaking circuit:	230V / 50-60 Hz, 2200 W / 10 A pure ohm resistive load
Control elements:	Control insertion, green luminous on/off switch, sensor socket, line-socket, 1,5 m long cable with plug
Option:	Security shut-down, 10K above the setpoint (programmable) irreversible and warning light and unlock push button.
	Standard Type Art.-No.: 439 00 118