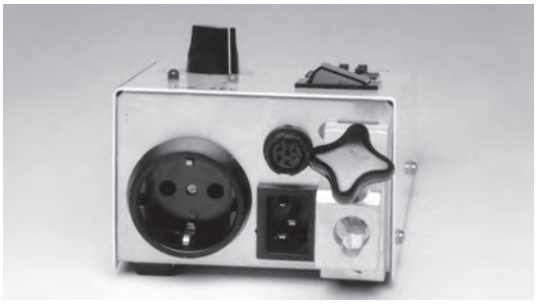
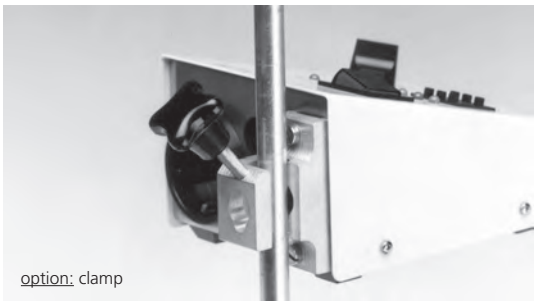
Temperature Regulators





option: clamp

HT 30

Versatile Laboratory Regulator with Electronic Outlet for up to 10 A

If a controlled and careful heating-up is required, the combination of power controller and PD temperature regulator produces reliable results.

With this electronic power controller, the nominal power can be reduced from 100 % to 0 and can thus be adjusted to individual power requirements. This is especially important at low temperatures when too much power would cause an overswing of the control circuit.

The digital set-point adjustment of the temperature regulator has an accuracy of 1 °C. Due to the adjustable control amplifier, the regulator can be adapted to the respective controlled system. Therefore, the accuracy can be kept even if the controlled systems are very special or different.

When the sensor connection or the sensor element itself is broken, the device shuts down immediately. A control lamp indicates the failure.

With an apparatus clamp, the regulator can be mounted on a stand, which is very easy to survey and space-saving. The clamp can be fixed at the rear of the device.

Linear voltage ouput:
For the connection to a recording instrument, a digital display etc., the regulator has a linearized voltage output. The device has a diode plug socket for the connection.

Technical Data

two-position regulator

control system:	P-PD	power control:	0 ... 100 %
power control:	triac	safety class:	I
switching power:	2300 W at 230 V	protection category:	IP 30 (DIN 40 050)
main switch:	2-pole, luminous	mains cable:	1.5 m
degree of accuracy:	1 %	case dimensions:	75 x 115 x 145 mm
servo amplifier:	0.5 ... 5 %	case material:	coated steel/aluminum
instantaneous value tap:	10 mV		

order no.	switching power	sensor type
06 30 01	10 A	NiCr-Ni (K)
06 30 02	10 A	Pt 100

order no.	accessory
08 07 02	clamp
07 99 01	plug for the connection to temp. sensor
07 99 03	plug for analog output

Temperature sensors see page 51.

HT 31

Versatile Laboratory Regulator with Electronic Outlet for up to 16 A

The HT 31 laboratory regulator has all technical advantages of the HT 30, but additionally allows switching powers up to 16 A.

Technical Data

like HT 30, with some deviations:

switching power:	3600 W at 230 V
mains cable:	1.3 m
case dimensions:	74 x 161 x 136 mm

order no.	switching power	sensor type
06 31 01	16 A	NiCr-Ni (K)
06 31 02	16 A	Pt 100

order no.	accessory
08 07 02	clamp
07 99 01	plug for the connection to temp. sensor
07 99 03	plug for analog output

Temperature sensors see page 57.

HTA

Actual Value Display for HT 30 / HT 31

Technical Data

display:	LCD 3½ digit
case dimensions:	60 x 80 x 20 mm
case material:	plastic
connection:	with 3-pole socket to HT 30 / HT 31
length connection line:	1 m

order no.
06 31 90