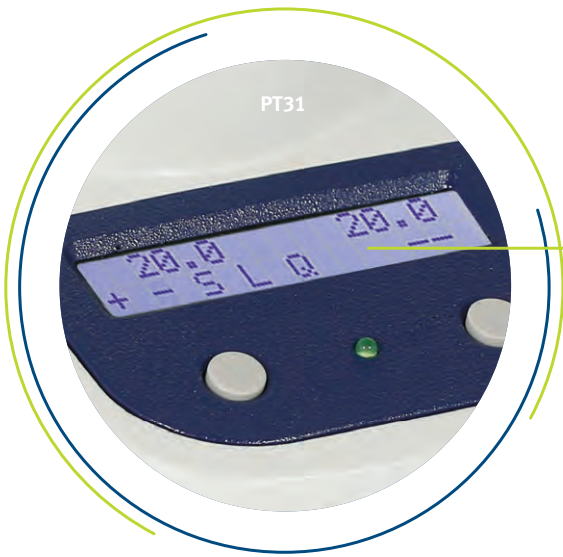# PT31 CIRCULATION THERMOSTAT

PT31

The PT31 circulation thermostat is equipped with high-performance functions. The 1.5 kg lightweight device is ideally suited for applications requiring a temperature range at a constant level. The proven Peltier technology offers process-reliable temperature control in the range from 8 °C to 35 °C. The accuracy of temperature control is ±0.2 °C. The robust locking mechanism of the PT31 provides a sturdy connection and ensures constant temperature control of the medium. The compact and sturdy design does not require much space and can be placed anywhere in the laboratory.

YOUR BENEFITS

- Temperature control using Peltier technology
- Temperature range from 5 °C to 35 °C
- Temperature accuracy of ±0.2 °C
- Space-saving, sturdy design
- Suitable for operation with non-flammable liquids (water or water/glycol mixture)
- Bright, easy-to-read LCD matrix display
- Sophisticated, easily accessible operating elements
- Convenient connection with P8000 series polarimeters
- Simple and plainly structured functions

KEY DATA

TEMP. CONTROL RANGE	8 °C – 35 °C
ACCURACY OF T. CONTROL	±0.2 °C
TEMP. CONTROL RESOLUTION	0.1 °C
AMBIENT TEMPERATURE RANGE	5 °C – 40 °C
HEATING CAPACITY	30 W
COOLING CAPACITY AT 20 °C	20 W
PUMP PRESSURE	20 mbar
PUMP CAPACITY	20 l/h
FILLING VOLUME	100 ml
IP CODE	IP21
CLASS OF PROTECTION (DIN EN 61140)	III
CLASSIFICATION (DIN 12876-1)	I; non-flammable liquids
ELECTRICAL DATA	100-240 V AC, 1.3 A | 50/60 Hz

OPERATING ELEMENTS

The PT31 has a quick and easy to achieve operational readiness. The sophisticated operating elements are easily accessible and allow the temperature to be set with just a few inputs. A menu with easy-to-understand navigation is used for set-up.

The LCD matrix has a bright, easy-to-read display. Temperature settings as well as heating and cooling functions are displayed in a clearly arranged manner.

The interface facilitates convenient control with our P8000 series polarimeters.

KEY DATA

DISPLAY TYPE	LCD matrix display
DISPLAY RESOLUTION	2 rows of 16 columns each
DISPLAY DIMENSIONS (W X H)	57.7 mm x 11.8 mm
CONTROL	Selection keys
ELECTRONIC INTERFACE	RS-232 interface
DEVICE DIMENSIONS (W x H x D)	108 mm x 199 mm x 145 mm
DEVICE WEIGHT	1.5 kg (without mains adapter and mains cable)

Power supply connection

RS-232 interface