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# KRÜSS

MADE IN
**GERMANY**

# CIRCULATION THERMOSTATS
## PELTIER TEMPERATURED - SMALL AND EXTREMLY QUIET



**www.kruess.com**

# 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 8°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
- 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 VAC, 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.

| 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 |
| 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

# A.KRÜSS OPTRONIC – CUTTING-EDGE TECHNOLOGY, MADE IN GERMANY



*A.KRÜSS Optronic Headquarters in Hamburg*

A.KRÜSS Optronic is a leading manufacturer of high-precision laboratory and analysis instruments. For more than 200 years we have been developing and manufacturing innovative product solutions for the quality control of raw materials, semi-finished products and end products in Germany.

As part of the quality assurance we are committed to, our measurement devices provide important key figures with which product quality and product safety can be monitored and ensured.

Refractometers, polarimeters, density meters, flame photometers, melting point meters, gas analysers or microscopes – our instruments meet the highest standards of accuracy, speed and reliability. We also have a wide range of measurement devices available for professional gemology.

Our demands on quality and precision are high and the requirements of our customers are always the top priority. Customers who decide to buy one of our devices do not only receive a quality measurement device, they also gain access to professional services and comprehensive support. Together with our certified service partners we offer customer service directly on site in over 130 countries around the globe.

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