

# LAUDA Loop 100

## Peltier Technology Reimagined

The LAUDA LOOP 100 is a thermo-electric circulation thermostat. This innovative product is the culmination of advanced research and development and revolutionizing Peltier technology to deliver precise and reliable temperature control for viscosity measurements. This smart and versatile solution is designed to meet the demands of modern laboratories and industrial environments. With its compact size, lightweight design, and environmentally friendly operation, it offers unparalleled performance and sustainability.

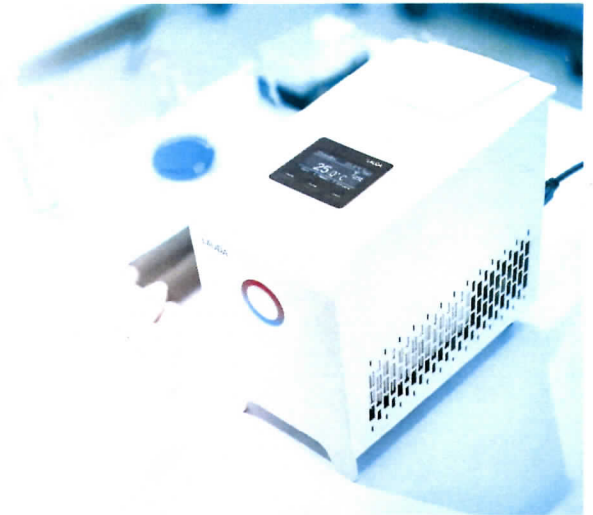
When purchasing, an Accessory Kit is strongly recommended and includes power cords, cables, tubes, clamps, and fluid (water/glycol mixture).

### Features :

- **Versatile Application:**
  - Ideal for use across the entire value chain – from goods-inwards inspection and quality assurance to research and sample preparation
- **Safe and Reliable Operation:**
  - Integrated button lock, auto-start feature, and temperature limit warning signal ensure safe usage
- **Quiet and Low-Vibration Performance:**
  - Operates so quietly and with minimal vibration that it is barely noticeable, making it suitable for any environment
- **Flexible use:**
  - Suitable for use on any water jacketed DV instrument : Cone/Plate, Enhanced UL Adapter, Small Sample Adapter, or DIN Adapter

### Benefits :

- **Compact and Lightweight:**
  - Space-saving design meets modern demands for flexibility and versatility
  - Portable
  - Dimensions: 175 mm W x 301 mm D x 266 mm H
- **Eco-Friendly:**
  - Refrigerant-free temperature control with advanced Peltier technology
- **Energy Efficiency:**
  - Power-regulated ventilator fan ensures exceptional energy efficiency, especially in partial-load operation
- **User-Friendly Interface:**
  - Simple 3-button controls with an OLED display for easy operation
  - Seamless integration with DV360 software
- **Versatile Functionality:**
  - Heating and cooling capabilities within the same components
  - Operates at a voltage range of 100 – 240 V, 50/60 Hz
  - Equipped with an RS 232-interface as standard
- **Temperature Range and Stability:**
  - Working temperature range from 4°C to 80°C
  - Maintains temperature stability of  $\pm 0.1$  C



### Technical Attributes

Working temperature min.	4°C
Working temperature max.	80°C
Temperature stability	$\pm 0.1$ K
Heater power	0.2 kW
Cooling output at 20°C	0.12 kW
Power consumption	0.24 kW
Pump pressure max.	0.8 bar
Pump flow max. (pressure)	2.6 L/min
Filling volume max.	0.26 L
Dimensions(WxDxH) in mm	175x301x266

