

Приборы мониторинга CARL ROTH AQUASTOP II, Pt 100, Model I, Model II

Технические характеристики

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Monitoring



Laboratory cooling water monitor AQUASTOP® II

ROTH SELECTION.

For monitoring cooling water flow and temperature in the laboratory. For installation in apparatus that runs without permanent supervision. Power supply and water supply are cut off in case of irregularities or when the preset temperature limit is exceeded.

Application:

- If the flow rate drops below the preset minimum level, the solenoid valve shuts off the coolant supply and connected electrical device (e.g. heating mantle) is de-energised.
- If the maximum temperature is exceeded, the solenoid valve stays open, the apparatus continues to be cooled and the electrical device is de-energised.

The temperature at the coolant outlet is recorded by the internal NTC sensor integrated in the flow sensor. As an option, an external Pt 100 temperature sensor which automatically deactivates the internal sensor can be installed in a freely selectable position on the test set-up (if required, please order separately).

Features:

- 2-line LED display for simultaneous display of flow rate and temperature
- LED for switching status and alarm indication
- Freely selectable alarm limits
- Acoustic pre-alarm alerts user before final deactivation
- With Schuko socket on the back

Technical specifications:

Art. No.	CKY2.1
Type	AQUASTOP® II
Flow measuring range	2 – 99 l/h
Temperature measuring range, internal	0 to 80 °C
Ext. temp. measuring range	0 to 250 °C
Setting accuracy	±1 l/h, ±1 °C
Fuse	16 A mT (load) 0.5 A mT (solenoid valve) 0.2 A mT (control unit)
Solenoid valve	Connection to tap: 3/4" IG, Connection to apparatus: 3/4" AG or hose connector Ø 10 mm
L x W x H	205 x 175 x 78 mm
Weight	1300 g
Rated power	35,500 W
Rated current	15 A
Mains connection	230 V, 50 Hz

Delivery incl. solenoid valve, flow sensor with internal NTC sensor and hose connector (for hose internal Ø 10 mm).

Type	Art. No.	Pack Qty.
AQUASTOP® II	CKY2.1	1 unit(s)



Temperature gauge Pt 100 for AQUASTOP® II

ROTH SELECTION. Material: Stainless steel 1.4571.

External temperature gauge Pt 100 with LEMO connector.

Technical specifications:

Art. No.	CKY3.1
Parameters	Temperature
Temperature measuring range	0 to +250 °C
Temperature sensor	Pt 100
Connection	Lemo
Ø x L	4 x 200 mm
Cable length	2 m

Delivery incl. connection cable.

Temperature measuring range (°C)	Cable length (m)	Art. No.	Pack Qty.
0 to +250	2	CKY3.1	1 unit(s)



Leakage monitor

ROTH SELECTION.

For monitoring all equipment powered by water. Reliably prevents flooding by automatically cutting off the water using the solenoid valve. When the highly sensitive moisture sensor detects a water film of 0.5 mm, it will set off an audible alarm and close the solenoid valve. Plug housing with earthed plug connection and earthed socket.

Technical specifications:

Art. No.	H481.1	H482.1
Type	Model I	Model II
Solenoid valve	with 3/4" ports and 12 V safety extra-low voltage	
Min. pressure difference (inlet/outlet)	0,5 bar	
Cable length	2 m	
Mains connection	220–240 V, 50/60 Hz	

Delivery incl. moisture sensor, solenoid valve and alarm buzzer.

Model I

Type	Art. No.	Pack Qty.
Model I	H481.1	1 unit(s)

Model II

With additional machine switch-off function in the event of an alarm (up to 16 A, 220 V, 50 Hz).

Type	Art. No.	Pack Qty.
Model II	H482.1	1 unit(s)

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