

Julabo Case Study

JULABO PRESTO® A40

Temperature stability with
a 5 l reactor at +100 °C



Objective

This case study tests the temperature stability of JULABO PRESTO® A40 with a 5 liters glass reactor. The A40 is connected to the reactor via two 2.0 m metal tubings. The A40 was set to a set point of +100 °C.

Test Conditions

JULABO unit	JULABO PRESTO® A40
Cooling power	+20 °C 1.2 kW
	0 °C 0.9 kW
	-20 °C 0.6 kW
Heating capacity	2.7 kW
Band limit	No
Flow pressure	0.40 bar
Bath fluid	JULABO Thermal HL40
Reactor	5 liters glass reactor (Rettberg) filled with 5 liter JULABO Thermal HL40
Control	External (ICC)

Environment

Room temperature	+20 °C
Humidity	45 %
Voltage	230 V / 50 Hz



Test Results

See chart on back page: The A40 heats up the reactor to +100 °C. After reaching the temperature of +100 °C, the temperature within the reactor fluctuated for 10 min about ± 0.01 K.

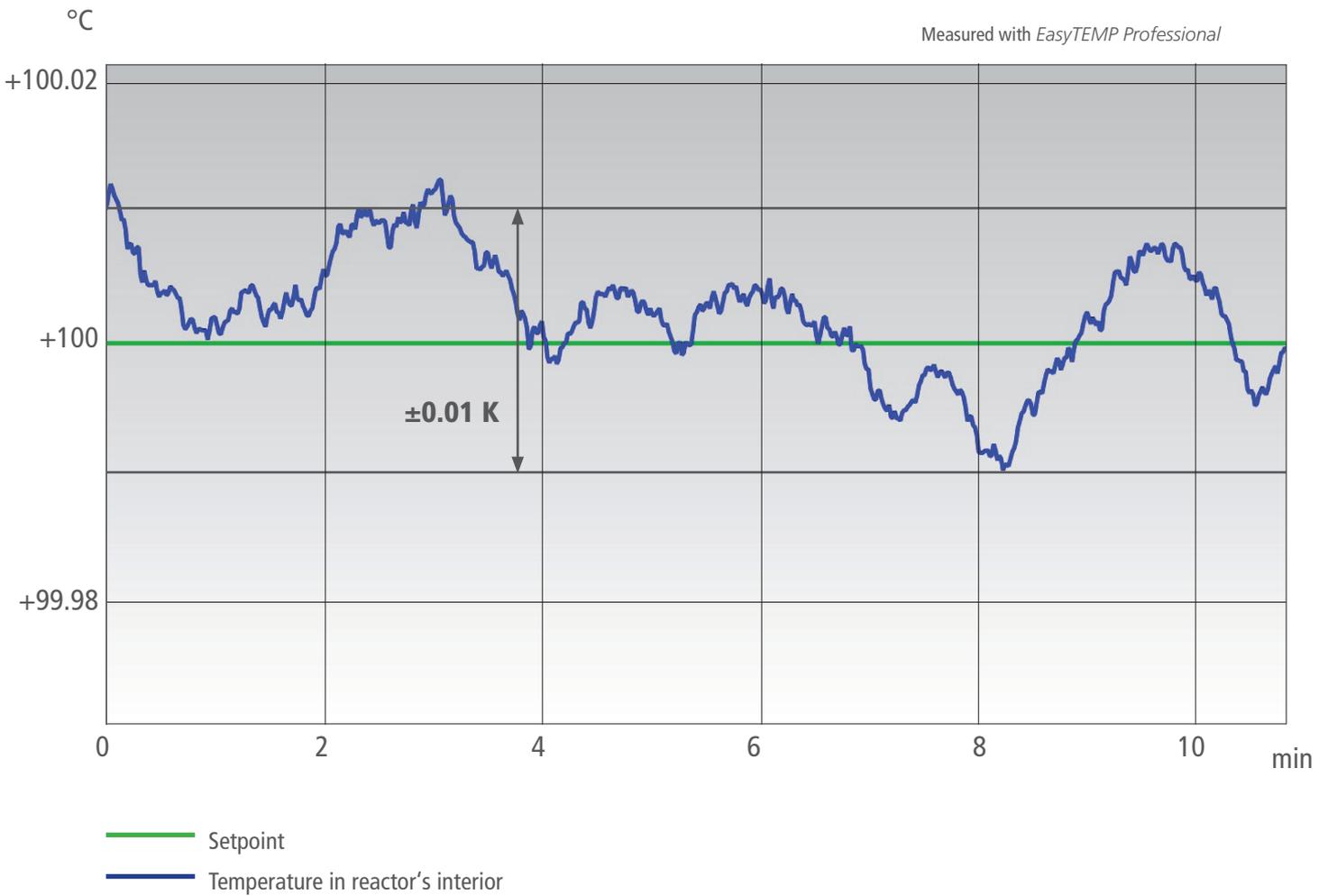
Tip

You can also use the robust Pt100 with PTFE coating.

More tips on
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Tip

Make use of the option to regulate the pump pressure. You can define the desired pressure in the PRESTO® settings.



Tip

The Ethernet interface permits full access to all operational functions of the PRESTO®.



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