

||||| **Precise measuring instruments
for viscosity**

Product range 2026 / 2027

Version 2026-04

Viscothermostats



Precise data. Constant values.

Viscothermostats

LAUDA Scientific's Viscothermostats provide precise temperature control for all glass capillary viscometers. A wide range of products are available to support various system configurations, particularly when international standards require precise temperature stability (**ASTM 0445**, **ISO 3105**, DIN 51562 and **DIN 53000**).

Control head for viscothermostats Viscocool 6, Viscotemp 18, Viscotemp ET and Viscotemp 15 / 24

Special Features:

- || Built-in cooling coil to connect an external circulation chiller (e.g. MC 250)
- || Colored TFT display for simultaneous indication of actual and set temperature
- || Powerful heater (up to 2,6 kW)

Viscocool 6, Viscotemp 18, Viscotemp ET

For R&D applications close to ambient temperature, the **Viscocool 6** is the perfect choice. With a footprint of only 206 x 415 mm and an integrated thermoelectric cooler, it provides cooling without the need for additional devices.

The **Viscotemp ET** is an economical polycarbonate bath that can accommodate a maximum of three glass capillary viscometers for manual measurement using a stopwatch, or up to two automatic measuring stations for iVisc or S5 (PVS). If required, such as when using dilution viscometers, up to two magnetic stirrers can be added to the thermostat.

The **Viscotemp 18** is designed for temperatures up to 100 °C, for example for use with silicone oils and aggressive samples. Cover plates for either five manual measuring units or one iVisc or S5 measuring stand plus an additional glass capillary viscometer are available.

LCD S0289
Viscotemp ET
(Image similar)



Technical data	Viscocool 6 (LCD S0293)	Viscotemp 18 (LCD S0295)	Viscotemp ET (LCD S0289)
Material bath vessel	Polycarbonate	Glass	Polycarbonate
Suitable for Aqua Stab water stabilizer	✘	✓	✘
Working temperature range	15...90 °C	0 ¹⁾ ...105 °C	20 ¹⁾ ...90 °C
Temperature stability	± 0.01 K	± 0.01 K	± 0.01 K
Max. amount measuring stands	1	1	2
Max. amount manual thermost. positions	2	5	3
VRM mounting set available	✘	✘	✓
Heater power	2.6 kW	2.6 kW	2.6 kW
Bath volume	6.5 l	18.5 l	15 l
Voltage	230 V, 50/60 Hz ²⁾	230 V, 50/60 Hz ²⁾	230 V, 50/60 Hz ²⁾
Dimensions (WxDxH)	206x415x530 mm	Ø 310x510 mm	428x130x532 mm
Supplied cover plate	Viscocool A1M1	Viscotemp 18 M5	Viscotemp ET A2

¹⁾ Can be achieved with external cooling ²⁾ 100V/110V/50 Hz/60 Hz versions can be found in the alphanumeric price list

Viscotemp 15 / 24

The Viscotemp 15/24 features a high-quality stainless steel bath and glass windows, and operates within the standard temperature range of 0 to 105 °C. Its well-designed single-chamber system with an optional backlight provides an unobstructed view and is easy to clean. Typical applications for this product include determining the solution viscosity of plastics and the viscosity index of motor oils.

The **Viscotemp 15** can be used with up to four manual measuring stations or two automatic measuring stands: the iVisc or the S5 (PVS). The **Viscotemp 24** offers the capacity to work with a maximum of seven viscometers or four automatic measuring stands. Both versions can be fitted with the VRM 4 cleaning module. The corrosion-resistant thermostating bath enables handling of aggressive samples (e.g. polyamides dissolved in sulfuric acid) and is approved for use with suitable silicone oils (e.g. Therm 180) as a heat transfer liquid.



LCD S0299 Viscotemp 24

(Image similar)

Special Features:

- || Corrosion-resistant stainless steel bath with 19 to 27 liter bath volumes
- || For up to 4 automatic stands or 7 manual measuring stations
- || Clear design makes quick cleaning possible
- || Variopump with six pumping levels and pump flow distribution for perfect homogeneity
- || Display with standards-compliant resolution of 0.01 K, intuitive operation via cursor and soft-keys



Technical data	Viscotemp 15 (LCD S0297)	Viscotemp 24 (LCD S0299)
Suitable for Aqua Stab water stabilizer	✓	✓
Working temperature range	0 ¹⁾ ...105 °C	0 ¹⁾ ...105 °C
Temperature stability	± 0.01 K	± 0.01 K
Max. amount measuring stands	2	4
Max. amount of manual thermostating positions	4	7
VRM mounting set available	✓	✓
Heater power	2.6 kW	2.6 kW
Bath volume	19 l	27 l
Glass pane size (W x H)	152 x 233 mm	329 x 233 mm
Voltage	230 V, 50/60 Hz ²⁾	230 V, 50/60 Hz ²⁾
Dimensions (W x D x H)	532 x 233 x 552 mm	708 x 233 x 552 mm
Supplied cover plate	Viscotemp 15 A2	Viscotemp 24 A4

¹⁾ Can be achieved with external cooling ²⁾ 100V/110V/50 Hz/60 Hz versions can be found in the alphanumeric price list

Viscotemp Pro 15 / 24 / 36

LAUDA Scientific **Viscotemp Pro** viscothermostats offer outstanding temperature stability and homogeneity across the entire temperature range for all standard viscosity applications. They are therefore ideal for use with the fully automated PVS-S5 or iVisc viscometer, and are a mandatory requirement for use with VAS autosampler systems. Thanks to the double-chamber principle, a constant liquid level in the measuring section is guaranteed, even when temperatures are changed.

The special **Viscotemp Pro L** models are equipped with five layers of insulating glass. When connected to a LAUDA PRO circulation thermostat (RP 250 or RP 290), they can be used for low-temperature measurements down to -40 or -60 °C.

Special Features:

- || Corrosion-resistant stainless steel bath with 15, 24 or 36 liter bath volume
- || Double-chamber system for constant liquid level in the measuring chamber of bath
- || Multi-glazing with optional heating avoids fogging of glass panes
- || For up to 6 automatic or 9 manual measuring stations
- || Integrated heat exchanger for counter-cooling, can be combined with LAUDA circulation thermostats
- || High control precision thanks to adaptive PID regulation
- || Optional external sensor controls the temperature at the measuring location
- || Integration of magnetic stirrers and combination with VAS systems possible

LCD S0278
Viscotemp Pro 24
(Image similar)



LCD S0276
Viscotemp Pro 15
(Image similar)



Special version:

LCD S0302
Viscotemp Pro 15

With ball bearing when using silicon oil heat transfer liquids

Technical data	Viscotemp Pro 15 (LCD S0276)	Viscotemp Pro 24 (LCD S0278)	Viscotemp Pro 36 (LCD S0280)	Viscotemp Pro 15 L (LCD S0282)	Viscotemp Pro 24 L (LCD S0284)
Working temperature range	0 ¹⁾ ...150 °C	0 ¹⁾ ...150 °C	0 ¹⁾ ...150 °C	-60 ³⁾ ...100 °C	-60 ³⁾ ...100 °C
Temperature stability	± 0.01 K	± 0.01 K	± 0.01 K	± 0.01 K	± 0.01 K
Max. amount measuring stands	2	4	6	2	4
Max. amount manual positions	3	7	9	3	7
Heater power	3.5 kW	3.5 kW	3.5 kW	3.5 kW	3.5 kW
Bath volume	11...15 l	19...24 l	28...36 l	11...15 l	19...24 l
Glass pane size (W x H)	149 x 230 mm	326 x 230 mm	506 x 230 mm	149 x 230 mm	326 x 230 mm
Voltage	230 V, 50/60 Hz ²⁾	230 V, 50/60 Hz ²⁾	230 V, 50/60 Hz ²⁾	230 V, 50/60 Hz ²⁾	230 V, 50/60 Hz ²⁾
Dimensions (W x D x H)	506 x 282 x 590 mm	740 x 282 x 590 mm	1,040 x 282 x 590 mm	506 x 282 x 590 mm	740 x 282 x 590 mm

¹⁾ Can be achieved with additional LAUDA cooler ³⁾ Can be achieved with LAUDA RP 290

²⁾ 100V/110V/50 Hz/60 Hz versions can be found in the alphanumeric price list

Cover plates for viscothermostats



Viscotemp 18

LCZ 0737 Cover plate Viscotemp 18 A1M1

For 1 measuring stand and 1 manual /thermostating position



LCZ 0736 Cover plate Viscotemp 18 M5

For 5 manual /thermostating positions



Viscotemp ET

LCZ 041 Cover plate Viscotemp ET A2

For 2 measuring stands



LCZ 040 Cover plate Viscotemp ET A1M2

For 1 measuring stand and 2 manual /thermostating positions



LCZ 0685 Cover plate Viscotemp ET M3

For 3 manual /thermostating positions



Viscotemp 15

LCZ 0730 Cover plate Viscotemp 15 A2

For 2 measuring stands



LCZ 0731 Cover plate Viscotemp 15 A1M2

For 1 measuring stand and 2 manual /thermostating positions



LCZ 0729 Cover plate Viscotemp 15 M4

For 4 manual /thermostating positions



Viscotemp 24

LCZ 0733 Cover plate Viscotemp 24 A4

For 4 measuring stands



LCZ 0734 Cover plate Viscotemp 24 A2M4

For 2 measuring stands and 4 manual /thermostating positions



LCZ 0732 Cover plate Viscotemp 24 M7

For 7 manual /thermostating positions



Viscotemp Pro 15

LTZ 045 Cover plate Viscotemp Pro 15 A2

For 2 measuring stands



LTZ 048 Cover plate Viscotemp Pro 15 A1M2

For 1 measuring stand and 2 manual /thermostating positions



LTZ 017 Cover plate Viscotemp Pro 15 M3

For 3 manual /thermostating positions

Cover plates for viscothermostats

Viscotemp Pro 24

LTZ 046 Cover plate Viscotemp Pro 24 A4

For 4 measuring stands

LTZ 049 Cover plate Viscotemp Pro 24 A3M3

For 3 measuring stands and 3 manual /thermostating positions

LTZ 019 Cover plate Viscotemp Pro 24 M5

For 5 manual /thermostating positions

LTZ 023 Cover plate Viscotemp Pro 24 M7

For 7 manual /thermostating positions



Viscotemp Pro 36

LTZ 047 Cover plate Viscotemp Pro 36 A6

For 6 measuring stands

LTZ 021 Cover plate Viscotemp Pro 36 M9

For 9 manual /thermostating positions



General

LTZ 052 Adapter M for cover plates A

Conversion kit for manual measurements

HDR 016 Cover M complete

Use for cover plates M

HDQ 090 Cover A complete

Use for cover plates A

HDQ 093 Cover A for measuring stands

Use for stand position A



Accessories for viscothermostats

LCZ 9681 Heatable window frame for Viscotemp Pro 15 L

Avoids fogging of glass panes, LiBus (optional, installing by factory)

LCZ 9682 Heatable window frame for Viscotemp Pro 24 L

Avoids fogging of glass panes, LiBus (optional, installing by factory)

Backlight

LCZ 9738 Backlight BL 15

LED back-light panel for Viscotemp 15 and Viscotemp Pro 15 (L)

LCZ 9739 Backlight BL 24

LED back-light panel for Viscotemp 24 and Viscotemp Pro 24 (L)

LCZ 9740 Backlight BL 36

LED back-light panel for Viscotemp Pro 36

EKS 068 Extension cable LiBus

5 m, for Background lighting BL 36 (LCZ 9740)



LCZ 9738 | LCZ 9739 | LCZ 9740

Accessories for viscothermostats



LRZ 913

LRZ 913 RS 232/485 Interface for viscothermostats

Plug-in module upgrading viscothermostat with a RS 232/485 interface, necessary for temperature control via PC with PVS software module TEMP-DLL (LDVM2023)

ETP 059 External temperature probe PT100-94

For viscothermostats

LRZ 918 Pt 100 LiBus module

Plug-in unit for use with external temperature probe PT100-94 (ETP 059)



UD 1190

Magnetic stirrer equipment for dilution viscometry

LMZ 841 Single-place magnetic stirrer set

For Viscotemp ET (retrofitting possible)

LMVZ967-1 Two-place magnetic stirrer set

For Viscotemp Pro 15 with control unit, installing by factory

LMVZ968-1 Four-place magnetic stirrer set

For Viscotemp Pro 24 with control unit, installing by factory

UD 1190 Spirit level

For viscometer alignment

Additional external cooling equipment



The ideal partner for our Viscotemp and Viscotemp Pro series for counter-cooling at measurement temperatures of 20 °C and 25 °C in polymer laboratories

LFD S001 Visco-Chiller DLK compact

Through-flow chiller, includes tubing and adapter. Only for measurements at 20°C and 25°C. For measurements. Requires Room temperature equal or below 30°C. For higher requirements below 20 °C please contact us for best choice

Advantages and benefits:

- || Cost effective solution for polymer viscometry
- || Compact, quiet, low vibration - benchspace-saving design
- || Little to no maintenance needed
- || Thermo-electric cooler, no refrigerants

Additional external cooling equipment

L001046 LAUDA Microcool MC 250 (230V / 50Hz)

Circulation chiller, working temp. range -10...+40°C, temperature stability 0.5 ±K, other power supply variants on request, requires silicone tubing (LZS 007)

Please note: Due to legal restrictions, last delivery will be on 1 December 2026

LMVZ884 Cool.Fix

Heat exchanger for temperatures up to -50°C, incl. 2x metal tubing MK 100 (LZM 053)

Requires external cooling-heating circulator (e.g. LAUDA PRO RP 290 E)

L000022 LAUDA PRO RP 245 E (230V / 50Hz)

Compact circulation thermostat for use with Viscothermostats Viscotemp Pro L 15/24, working temp. range -45...+200°C, temperature stability 0.05 ±K, heater power max. 2.5 kW, cooling output (at 20°C) 0.8 kW, (at -30°C) 0.15 kW, other power supply variants on request

L002502 LAUDA PRO RP 290 E (230V / 50Hz)

Compact circulation thermostat for use with Viscothermostats Viscotemp Pro L 15/24, working temp. range -90...+200°C, temperature stability 0.05 ±K, heater power max. 2,5 kW, cooling output (at 20°C) 0,8 kW, (at -60°C) 0,39 kW, other power supply variants on request



LMVZ884
Cool.Fix



L001046
LAUDA Microcool MC 250

Accessories for additional external cooling equipment

Tubing

For connecting circulation chillers with the cooling coil of viscothermostats

LZS 001 Silicone tubing

8 mm inner diameter (9 mm insulated), price per meter

LZS 007 Silicone tubing

11 mm inner diameter (9 mm insulated), price per meter

LZM 053 Metal tubing MK 100

Connector M16X1, length 100cm, for temperatures -90...150°C, 2 pcs. needed per each thermostat

LZM 055 Metal tubing MK 200

Connector M16X1, length 200cm, for temperatures -90...150°C, 2 pcs. needed per each thermostat

LZS 018 Viton tubing

12 mm inner diameter (10 mm insulated), price per meter for temperatures -20...150°C

HKA 068 Adapter

M16X1 – M14X1,5

EZS 012 Tubing clamp

For silicon and viton tubing (LZS 001, LZS 007, LZS 018)

LCZ 0719 Cooling coil set

For use with circulating chillers and viscothermostats ET 15 S and Viscotemp series, also suitable for direct use with of tap water



LZS 007

Heat transfer liquids



LZB 114 | LZB 214 | LZB 314

Silicon oil

Temperature ranges: 0...180°C¹⁾ | **10...110°C²⁾**

LZB 114 Therm 180, 5 l
LZB 214 Therm 180, 10 l
LZB 314 Therm 180, 20 l

Temperature ranges: 90...200°C¹⁾ | **90...150°C²⁾**

LZB 122 Therm 250, 5 l
LZB 222 Therm 250, 10 l
LZB 322 Therm 250, 20 l



LZB 929
Aqua Stab

Temperature ranges: -20...180°C¹⁾ | **-20...100°C²⁾**

LZB 116 KRYO 20, 5 l
LZB 216 KRYO 20, 10 l
LZB 316 KRYO 20, 20 l

Temperature ranges: -50...120°C¹⁾ | **-40...50°C²⁾**

LZB 121 KRYO 51, 5 l
LZB 221 KRYO 51, 10 l
LZB 321 KRYO 51, 20 l

Temperature ranges: -70...30°C¹⁾ | **-60...30°C²⁾**

LZB 130 KRYO 95, 5 l
LZB 230 KRYO 95, 10 l
LZB 330 KRYO 95, 20 l

LZB 929 Aqua Stab water stabilizer, 100 ml

Algicide for viscothermostats, not suitable for Viscocool 6 and Viscotemp ET

¹⁾ Temperature range technically approved

²⁾ Temperature range recommended for viscosity measurement

Omnicool 62 Plus

Precise temperature control for your samples

LMP 8003 Omnicool 62 Plus

Incl. Sample beaker 150 ml, 60x80 mm (EG 082-1), PTFE magnetic stirrer bar (EZ 195), external temperature probe PT 1000 (ETP 088) and holder for temperature probe (LMZ 056)

Advantages and benefits:

- || Temperature control based on the thermoelectric effect from 10 up to 80 °C, precision of ± 0.05 Ks
- || Stirring function for small sample volumes
- || Extremely low footprint, quick to set-up and easy to integrate



Spare parts for Omnicool 62 Plus

EG 082 Sample beaker
50 ml, 60x80 mm, 10 pcs.

EZ 195 PTFE stirrer bar
magnetic, small (5x25 mm)

ETP 088 External temperature probe PT 1000

LMZ 056 Holder for temperature probe PT 1000



ETP 088



LMZ 056



www.lauda-scientific.de/en

LAUDA Scientific GmbH
Laudaplatz 1
97922 Lauda-Königshofen
Germany

Phone: +49 (0) 9343 503-340
E-Mail: info@lauda-scientific.de

LAUDA

scientific

