

PRM, PRG

Технические характеристики

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Polarimeter stainless steel measurement tubes

PRM Models



Stainless steel measurement tubes for many applications

For every type of sample we offer the matching

stainless steel measurement tube, they are available in a simple version and as a temperature-controlled version. With temperature sensors PRT-E / PRT-T, they have a precise temperature measurement directly in the sample and are suitable for all samples, including aggressive chemicals. Available in different lengths for standards-compliant work.

- Easy filling for models with filling funnels
- Easy to clean by opening the lateral screw connection;
- Scratch-resistant, exchangeable cover glasses
- Wide range of temperable stainless steel measurement tubes for the entire range of applications
- Precise temperature measurement directly inside the sample with temperature probe PRT-E/PRT-T
- Nearly any temperature range, depending on the connected water bath

Stainless steel measurement tubes

Model	Specifications
PRM-200-ET	Stainless steel measurement tube with filling funnel, temperature-controlled, 200 mm, 17 ml
PRM-100-D	Stainless steel flow-through tube with filling funnel and overflow pipe, 100 mm, 12 ml
PRM-200-D	Stainless steel flow-through tube with filling funnel and overflow pipe, 200 mm, 17 ml
PRM-100-DT	Stainless steel flow-through tube with filling funnel and overflow pipe, temperature-controlled, 100 mm, 12 ml
PRM-200-DT	Stainless steel flow-through tube with filling funnel and overflow pipe, temperature-controlled, 200 mm, 17 ml
PRM-100-DTT	Stainless steel flow-through tube with filling funnel and overflow pipe, temperature-controlled, with temperature probe, 100 mm, 12 ml

Model	Specifications
PRM-200-DTT	Stainless steel flow-through tube with filling funnel and overflow pipe, temperature-controlled, with temperature probe, 200 mm, 17 ml
PRM-50-SD	Stainless steel flow-through tube with hose connections, 50 mm, 10 ml
PRM-100-SD	Stainless steel flow-through tube with hose connections, 100 mm, 12 ml
PRM-200-SD	Stainless steel flow-through tube with hose connections, 200 mm, 17 ml
PRM-10-SDM	Stainless steel flow-through micro tube with hose connections, 10 mm, 1.5 ml
PRM-50-SDM	Stainless steel flow-through micro tube with hose connections, 50 mm, 1 ml
PRM-100-SDM	Stainless steel flow-through micro tube with hose connections, 100 mm, 0.5 ml
PRM-100-SDT	Stainless steel flow-through tube with hose connections, temperature-controlled, 100 mm, 12 ml
PRM-200-SDT	Stainless steel flow-through tube with hose connections, temperature-controlled, 200 mm, 17 ml
PRM-25-SDTM	Stainless steel flow-through micro tube with hose connections, temperature-controlled, 25 mm, 0.5 ml
PRM-50-SDTM	Stainless steel flow-through micro tube with hose connections, temperature-controlled, 50 mm, 1 ml
PRM-100-SDTM	Stainless steel flow-through micro tube with Luer connections, temperature-controlled, 100 mm, 0.5 ml
PRM-200-SDTM	Stainless steel flow-through micro tube with Luer connections, temperature-controlled, 200 mm, 2.5 ml
PRM-100-SDTT	Stainless steel flow-through tube with hose connections, temperature-controlled, with temperature probe, 100 mm, 12 ml
PRM-200-SDTT	Stainless steel flow-through tube with hose connections, temperature-controlled, with temperature probe, 200 mm, 17 ml

Polarimeter glass measurement tube

PRG-Models



Glass measurement tubes for many applications

For each type of sample we offer the right glass

measurement tube, both in a simple version and as a temperature-controlled version. With temperature sensors PRT-E / PRT-T, they have a precise temperature measurement directly in the sample and are suitable for all samples, including aggressive chemicals.



Polarimeter P8000-TF with PRG-100-DT

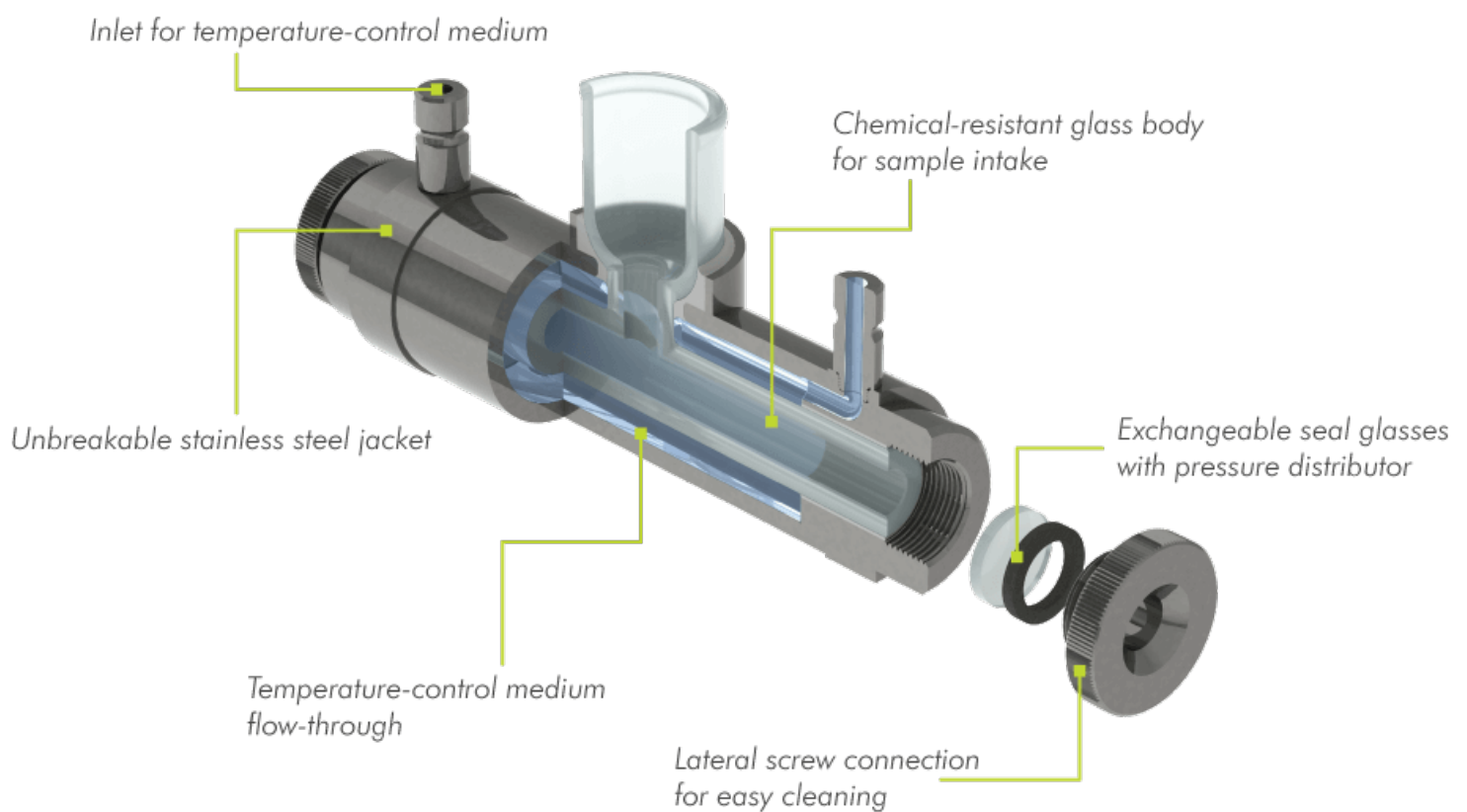
- Suitable for all samples, even aggressive chemicals
- For standards-compliant work available in different lengths
- Easy filling for models with filling funnels
- Easy to clean by opening the lateral screw connection
- Scratch-resistant, exchangeable cover glasses
- Wide range of temperable glass measurement tubes for the entire range of applications
- Precise temperature measurement directly inside the sample with temperature probe PRT-E/PRT-T
- Nearly any temperature range, depending on the connected water bath

Glass flow-through tubes - all models

Model	Spezifikationen
PRG-100	Glass measurement tube , 100 mm, 8 ml
PRG-200	Glass measurement tube, 200 mm, 15 ml
PRG-50-E	Glass measurement tube with filling funnel, 50 mm, 3 ml
PRG-100-E	Glass measurement tube with filling funnel, 100 mm, 6 ml
PRG-200-E	Glass measurement tube with filling funnel, 200 mm, 12 ml
PRG-100-ET	Glass measurement tube with stainless steel jacket and filling funnel, temperature-controlled, 100 mm, < 4 ml
PRG-200-ET	Glass measurement tube with stainless steel jacket and filling funnel, temperature-controlled, 200 mm, < 8 ml
PRG-100-EPT	Glass measurement tube with stainless steel jacket, inlet and outlet as well as integrated Peltier temperature control and temperature measurement, 100 mm, 8 ml
PRG-50-M	Glass micro measurement tube, 50 mm, 0.55 ml
PRG-100-M	Glass micro measurement tube, 100 mm, 1.1 ml
PRG-50-MT	Glass micro measurement tube, temperature-controlled, 50 mm, 0.4 ml
PRG-100-D	Glass flow-through tube, 100 mm, 8.7 ml
PRG-100-DT	Glass flow-through micro tube, temperature-controlled, 100 mm, 0.7 ml

Polarimeter glass measurement tubes for water temperature control

PRG-100-/200-ET



Glass measurement tube with stainless steel jacket and filling funnel, temperature-

controlled

The PRG-100-/-200-ET is an especially robust, externally temperature-controlled and versatile measurement tube. Its glass body makes it chemical-resistant, which is, for example, very important in the pharmaceutical and chemical industry where samples are often analysed in 10 % hydrochloric acid. The measurement tube is also unbreakable thanks to its stainless steel jacket.

The inlets for the temperature-control medium located at the side allow for an accurate, homogeneous temperature control across the entire measurement tube length and thus the required temperature equilibrium in the sample. The temperature probe inserted into the filling funnel of the tube determines when the target temperature is reached. Since it is inserted directly into the sample, it is available in two versions: in stainless



Polarimeter P8000-T with PRG-100-ET and PRT-T

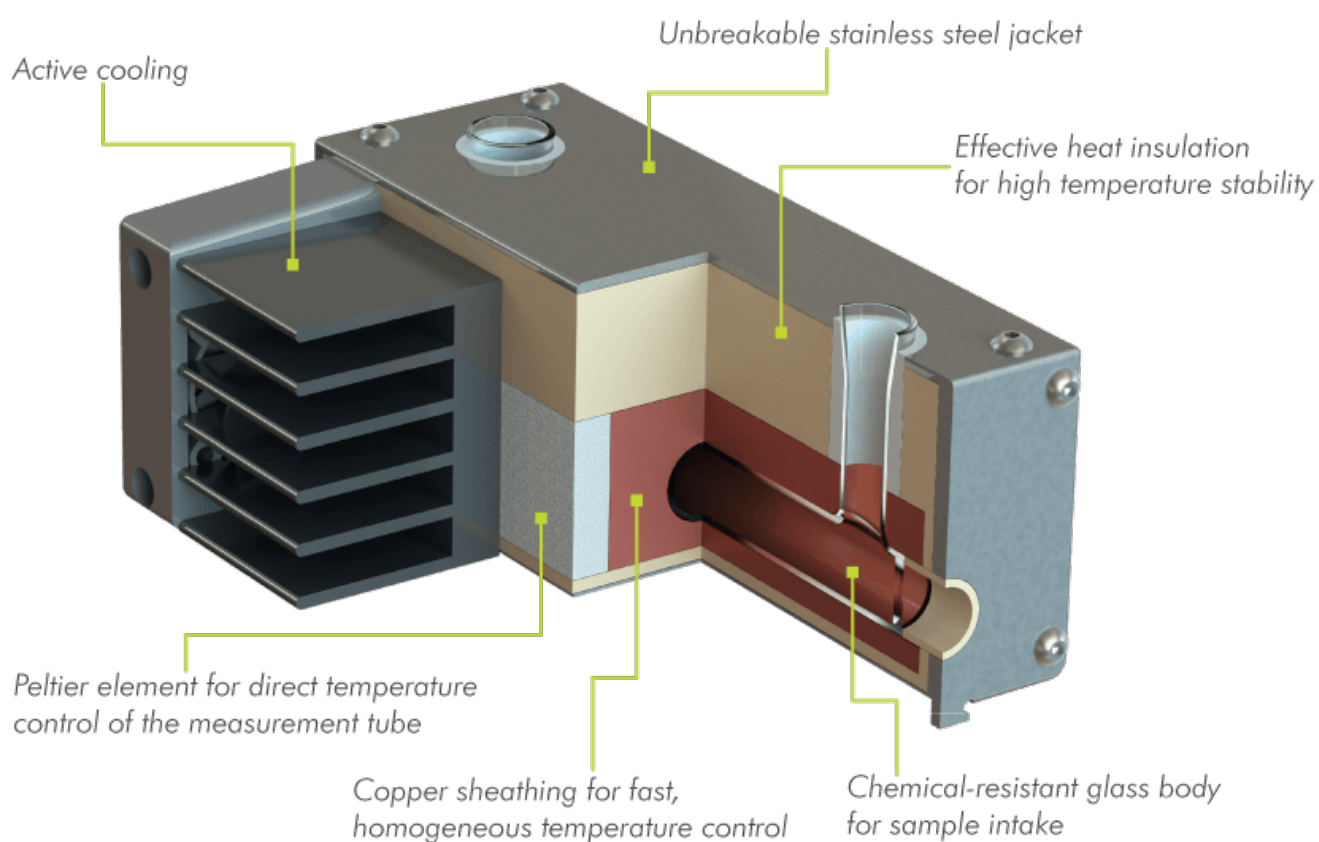
- Suitable for all samples, even aggressive chemicals
- For standards-compliant work available in the lengths 100 mm and 200 mm

- Easy to fill and degas via the wide filling funnel
- Easy to clean by opening the lateral screw
- Scratch-resistant, exchangeable cover glasses
- Precise temperature measurement directly inside the sample with temperature probe PRT-E/PRT-T
- Nearly any temperature range, depending on the connected water bath

Model	Specifications
PRG-100-ET	Glass measurement tube with stainless steel jacket and filling funnel, temperature-controlled, 100 mm, < 4 ml
PRG-200-ET	Glass measurement tube with stainless steel jacket and filling funnel, temperature-controlled, 200 mm, < 8 ml

Polarimeter glass measurement tube with integrated Peltier temperature control

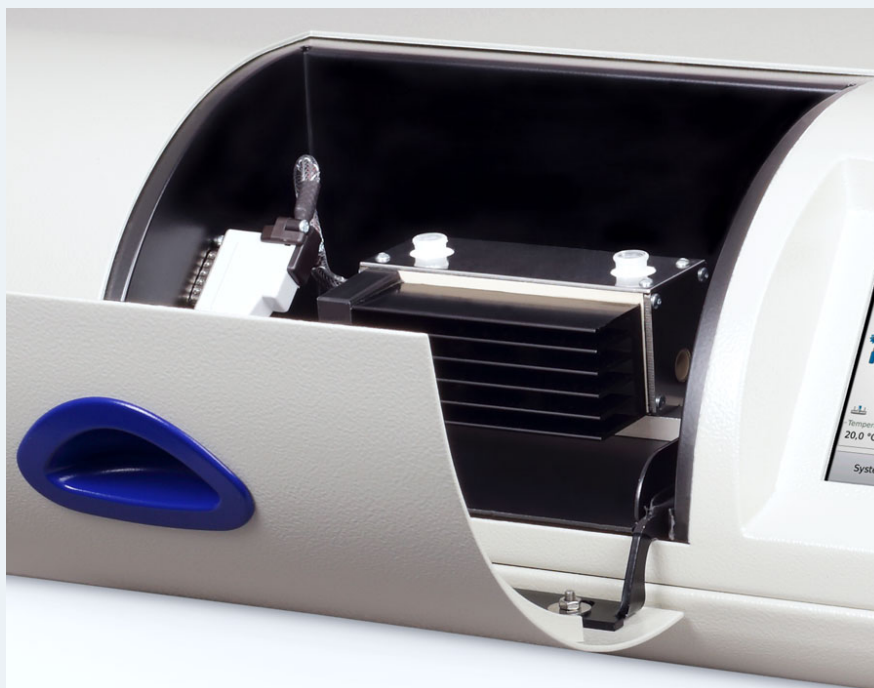
PRG-100-EPT



Glass measurement tube with stainless steel jacket and integrated temperature control

With the PRG-100-EPT, we have developed a directly temperature-controlled measurement tube for our polarimeters P8000-P and P8100-P which allows high-precision measurements without the use of an additional external device. Three Peltier elements ensure an accurate, fast temperature control in the range between 15 °C and 40 °C.

Thanks to their ideal positioning and insulation, the temperature control is homogeneous over the entire tube length, and there will be no temperature gradient. The temperature sensor Pt100 integrated into the measurement tube determines when the target temperature is reached. Just like the PRG-100-/-200-ET, the PRG-100-EPT features a chemical-resistant glass body and an unbreakable stainless steel jacket. That makes it also suitable for aggressive samples and very durable as well. All relevant control parameters and the serial number are stored in the data memory of the measuring tube and can be read out by the polarimeter.



Polarimeter P8000-P with PRG-100-EPT cut-out

- Suitable for all samples, even aggressive chemicals
- Easy to fill and degas via the dual opening
- Automatically recognizable with all relevant control parameters as well as the serial number
- Precise temperature measurement close to the sample with integrated temperature sensor
- Accurate, homogeneous and very fast temperature control
- Recommended in case of frequent temperature changes (for example from 20 °C for Ph. Eur. to 25 °C for USP)

Model	Specifications
PRG-100-EPT	Glass measurement tube with stainless steel jacket, inlet and outlet as well as integrated Peltier temperature control and temperature measurement, 100 mm, 8 ml

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