

Roll Stability Tester

ASTM D 1831 / MIL-G-10924



- Long time tests** at temperatures up to **200 °C** possible
- Digital temperature control
- Test time manually settable
- Low noise and low vibration operation
- Optimal temperature distribution, over-temperature fuse
- Adjustable rotation speed (optionally)

The Roll Stability Tester operates according to ASTM D 1831: A lubricant is stressed mechanically in heated, rotating pipes with an internal roll, which is similar to the wear in ball or roller bearings.

This happens at different temperatures and for different periods of time.

Ongoing tests – e. g. penetration – then show alteration of the lubricant and give a measure for its durability under standardised wear conditions.

With its insulated heating zone and its circulation fan, the Roll Stability Tester provides an optimal temperature distribution.

Constant temperatures of 200 °C are possible, even at long time runs, which are automated by the adjustable, digital timer.

The optionally available adjustable rotation speed control (100-200 rpm) makes it possible to develop new test standards.

The test cylinders and rolls are also available made of stainless steel.

This reliable and robust measurement instrument is used in the lab for quality control as well as for



Applications:

- Quality control
- Lubricant development

Options/Accessories:

- Adjustable rotation speed (100-200 rpm)
- Test cylinders and rolls made of stainless steel
- Stand for test cylinders



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Standard Accessories:

- 4 test cylinders with cups made of nickel-plated steel
- 4 rolls (5 kg +/- 50 g)
- 4 sealings
- Tool for closing and opening the test cylinders



Technical Data:

Rotation speed:	165 rpm according to ASTM D 1831 option: adjustable rotation speed (100-200 rpm)
Test temperature:	adjustable, up to 200 °C
Temperature measurement:	Pt 100, overtemperature fuse
Mains power:	230 VAC, 50 Hz (adaptable)
Power consumption:	1800 Watt
Dimension (LxHxD):	700 x 730 x 690 mm
Weight:	approx. 70 kg



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