Modernize Pour Point Measurements

with the

Pour Point Tester PPT 45150

Characteristics

- Rotational method - ASTM D5985
- 30x more accurate than D 97
- Pour Point, No-Flow Point, WAT
- Very fast cooling/heating
- Pour Point up to +140 ˚C (284 ˚F) and down to -55 ˚C (-67 ˚F)
- Fully automated test procedure

Fast and accurate
The Pour Point Tester PPT 45150 by PSL Systemtechnik is a lab device, which provides pour point measurements of oil and oil products according to ASTM D5985 - rotational method .
The test method permits pour point measurement with highest precision up to 0.1 ˚C at high repeatability. Without additional cryostat the PPT covers a temperature range of -45 to +140 ˚C (-49 to +284 ˚F).

Low temperature down to -55 ˚C (-67 ˚F)
Our Pour Point Tester is extendable with a cooling-water precooler for temperatures down to -55 ˚C (-67 ˚F), a cost-effective alternative to cryostats with the same capacity.

Repeated measurements
Pour point measurements can be repeated up to nine times in succession. We recommend those repeated measurements to obtain statistically significant results and information about the sample's behaviour over time.

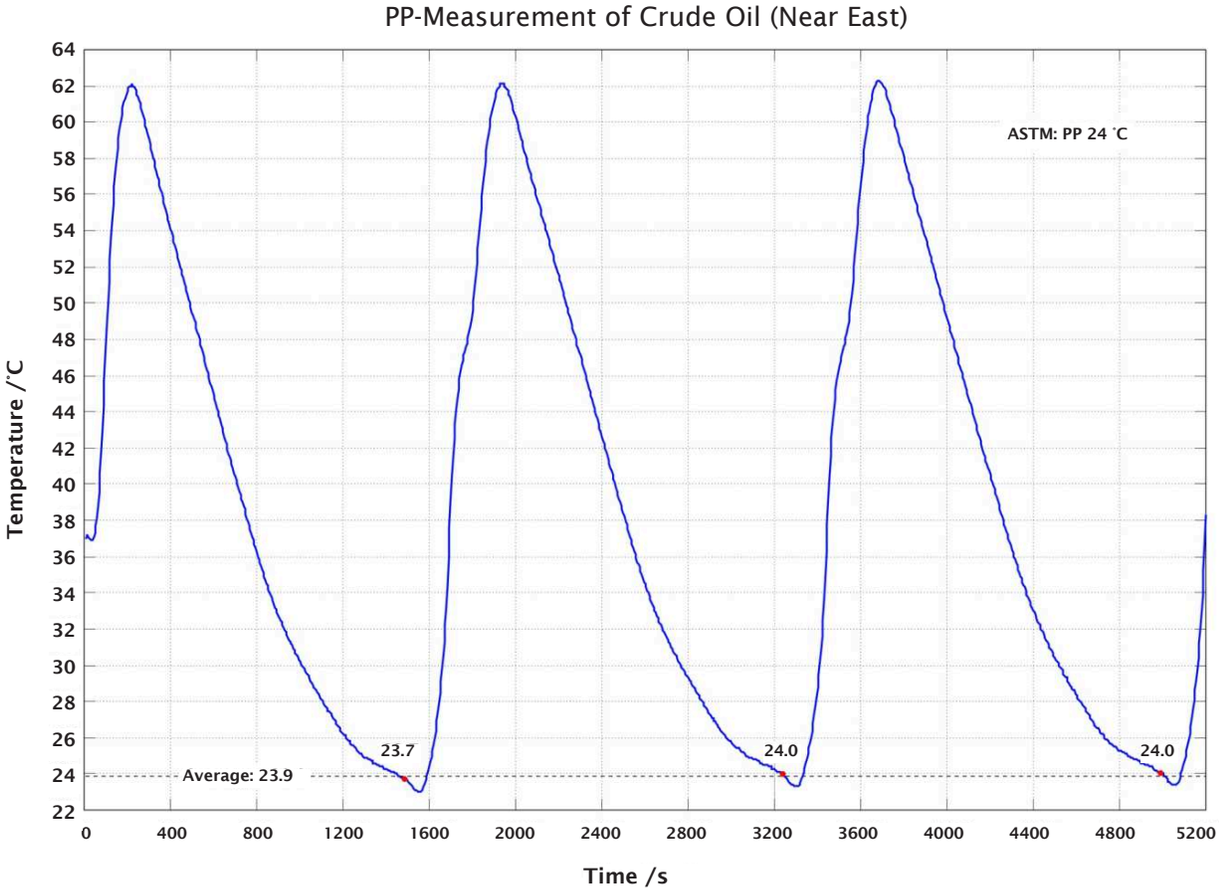
Operational worldwide
Due to modern thermoelectric technology the PPT only needs tap water and a power supply. So the PPT is excellently suited for operations outside the lab. The Pour Point Tester is equipped with a wide range voltage input so it can be operated all over the world.

Transportable with trolley case
Optionally, a trolley case is available to transport the compact and lightweight Pour Point Tester as carry-on baggage.

Stand-alone device or use with PC
Of course, the PPT can also be used as a full-fledged lab instrument. Space-saving arranged, it can be operated as a stand-alone device or in conjunction with the software *WinPPT* via PC. With only few settings, you can start a fully automated test run.
Up to 10 test configurations can be saved on the instrument in stand-alone mode.

PSL Systemtechnik
Germany

An automated lab instrument
In combination with the PSL software *WinPPT* and a PC, you can execute fully automated test runs with the PPT. An unlimited number of test configurations can be saved and managed.
WinPPT permits comfortable control of test runs, data display and data saving in a spreadsheet-compatible format for further evaluation.
The temperature gradient gives you additional information about the behaviour of the sample. First crystallisation processes are as well observable as strong exothermal reactions.



Measurement example for automatic repeated pour point measurement

Specifications:

Standard:	ASTM D5985
Temperature range:	-45 ... +140 °C (-49 ... +284 °F) at tap water 8 °C (46 °F), down to -55 °C (-49 °F) with precooler
Resolution:	0.1 °C
Accuracy:	< ± 0.4 K (± 0.2 K typical)
Cooling water usage:	approx. 1-2 l/min
Cooling water pressure:	1 ... 6 bar (14.5 ... 87 psi)
Cooling water temperature:	+3 ... +25 °C (+37 ... +86 °F), down to -20 °C (-4 °F) with precooler
Power consumption:	1,700 W
Voltage input:	110 - 240 V~, 50/60 Hz - wide range
Weight:	9.5 kg, with trolley case 14 kg
Dimensions (WxDxH):	26 x 38 x 16 cm, height with sensor 43 cm

PSL Systemtechnik Germany
PSL Systemtechnik GmbH
Baumhofstrasse 116
D-37520 Osterode am Harz
Tel +49 5522 31250-0
info@psl-systemtechnik.com
www.psl-systemtechnik.com
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