

Modernize Pour Point Measurements

with the

Pour Point Tester PPT 45150



Characteristics

- Rotational method – ASTM D 5985
- Up to 30x more accurate results than D 97
- Portable for field application
- Stand-alone device or for use with PC
- Very fast cooling/heating
- 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 D 5985 – 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 +150 °C (-49 to +302 °F).

Low temperature down to -55 °C (-67 °F)

Our Pour Point Tester is extendable with a cooling-water re cooler 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

PSL Systemtechnik GmbH
Baumhofstrasse 116
D-37520 Osterode am Harz
Germany

Tel +49 5522 31250-0 • Fax +49 5522 31250-99 • info@psl-systemtechnik.com • www.psl-systemtechnik.com

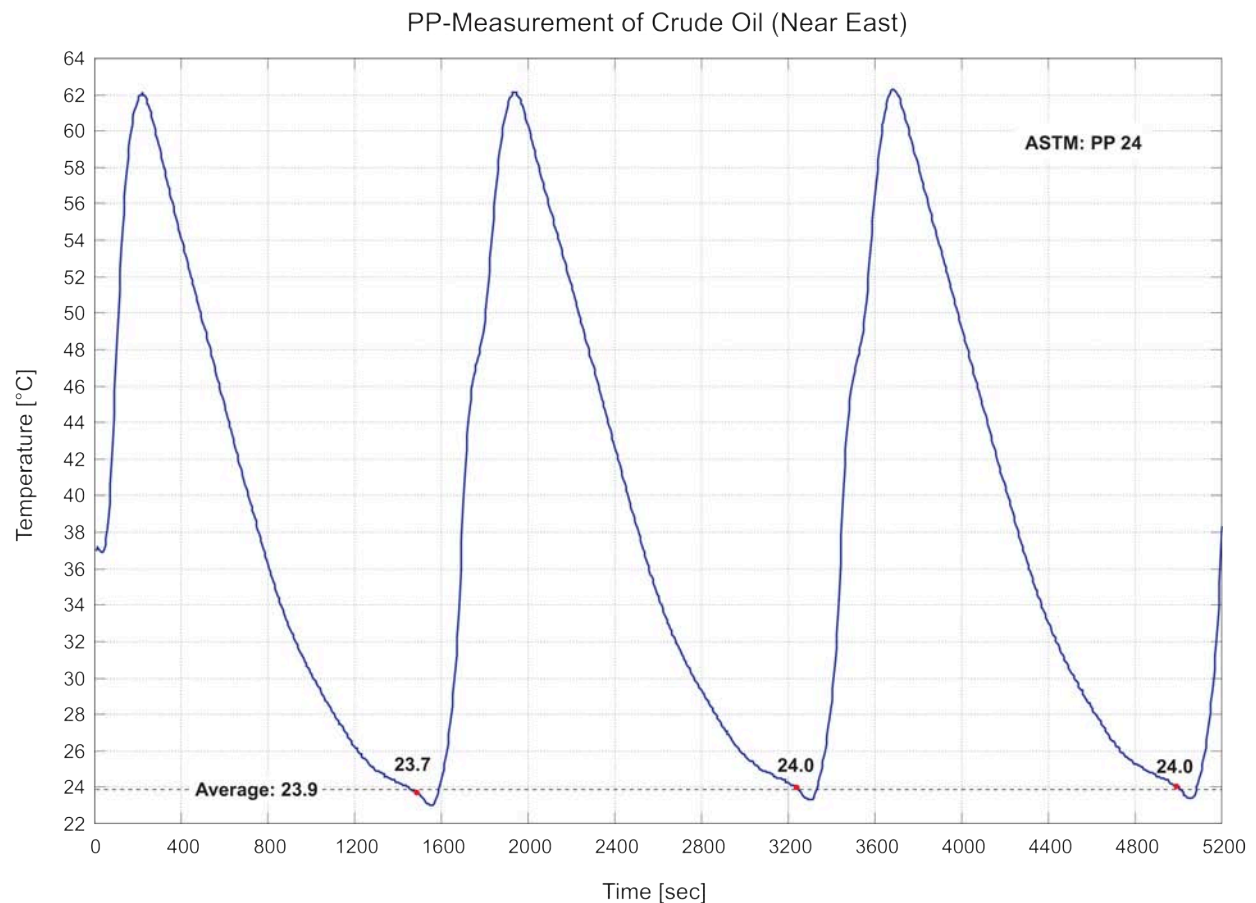
An automated lab instrument

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 D 5985
Temperature range:	-45 ... +150 °C (-49 ... +302 °F) at tap water 8 °C (46 °F), down to -55 °C (-49 °F) with recoler
Resolution:	0,1 °C
Accuracy:	< ± 0,4 K (± 0,2 K typical)
Cooling water usage:	300 ... 800 ml/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 recoler
Power consumption:	1.700 W
Voltage input:	88 ... 264 V~ (47 ... 63 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