

Petroleum and Viscosity Testing

Cold Behaviour Tester Series

State-of-the-art Peltier coolers have been adapted for cooling. The Peltier cooling system does not require a large chiller and methanol, making it a highly reliable, low maintenance and eco-friendly system.



Model:MPC-602

Pour/Cloud Point testers: MPC series

MPC series determines Pour Point (PP) and Cloud Point (CP) with a small specimen size and in a shorter test time. For PP determination, the unique "air Pressure Method" prescribed in ASTM D6749 yields equivalent results to the conventional tilt method's and a much better repeatability/reproducibility(1°C/2°C respectively, when tested at 1 °C intervals).

Since a faster cooling rate is used, test time has been cut from 1/3 to 1/2 of conventional tilt methods. When both CP and PP need to be determined, productivity further improves, since CP and PP are determined consecutively in one run.

Test stds:

PP:ASTM D6749, D97, ISO3016, etc.

CP:ASTM D2500, ISO3015, etc.

	Model:MPC-102A Product No 13650/01	ModelIMPC-102L 13650/02	Model: MPC-302 13650/03	Model:MPC-602 13650/04
Type	Bench top 1 position with air cooled Peltier cooler	Bench top 1 position with liquid cooled Peltier cooler	Bench top 3 positions with liquid cooled Peltier cooler	Bench top 6 positions with liquid cooled Peltier cooler
Measuring range	+51 to - 65 °C in 25°C ambient	+51 to -65°C when used with 1 set of TCU-40B chiller (opt)	+51 to -65°C when used with 2 sets of TCU-40B chiller (opt)	+51 to -65°C when used with 3 sets of TCU-40B chiller (opt)
Display	VFD module	VFD module	VFD modules (x 3)	VFD modules (x 6)
Ext. port	RS-232C	RS-232C	RS-232C	RS-232C
Size (mm)	230w x 480d x 385h	230w x 480d x 385h	800w x 500d x 800h	800w x 500d x 850h
Weight	19kg	19kg	75kg	100kg
Power cons.	500W	500W	1.0kW	1.5kW

Automated CFPP Testers



Model:AFP-102

AFP series automatically executes Cold Flow Plugging Point (CFPP) tests. Meniscus detectors are mounted on a holder, allowing for not only easy operation but also reliable detection when pipette is frosted.

Test stds:

ASTM D6371, IP 309, etc

Chiller Unit, Models TCU-40A/B

* temp range -40°C to ambient

* power consumption:700W

* cooling capacity:349W at 20°C

* dimensions: 320w x 590d x 725h mm

* dry weight 60kg

* type -A:pumping & suction (for ATG-7, MPC & AFP) -

Product No.12231/90 (see page 56)

	Model: AFP-102 Product No 13650/10	Model: AFP-202 13650/11
Type	Bench to, 1 position, with liquid cooled Peltier cooler	Bench top 2 positions, with liquid cooled Peltier cooler
Measuring range	Ambient to -60°C when used with 1 set of TCU-40B chiller (opt)	Ambient to -60°C when used with 1 set of TCU-40B chiller (opt)
Display	VFD Module	VFD Modules (x 2)
Ext. port	RS-232C	RS-232C
Size (mm)	350w x 550d x 480h	550w x 600d x 670h
Weight	27kg	50kg
Power cons.	500W	1kW



Model:AFP-202