Automatic Cloud Point Tester

aap-6cp

TANAKA
Petroleum Testing & Beyond

- **Ergonomically color-coordinated display for high visibility for everybody and intuitive switch operation.**
- **Enhanced versatility including Ethernet for LIMS, USB port for flash memory or keyboard, password protection and data storage (max.200 results).**
- **All-in-one chassis design: compact, light weight and premier exterior.**

Intelligent full-auto operation

Model aap-6cp automates the cloud point test of nonionic surfactants. The theme of this product is “Ergonomic, Versatile and Premium”.



User-friendly measuring cell

The measuring cell can be easily removed and Water jacketed measuring cells are also available as an option for sub-ambient temperature.

Easy operation

Just sample the specimen, enter the expected cloud point, and press the START key; all the rest of the test procedures such as heating, cooling and cloud point detection are performed automatically.

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Specifications

Related Test Methods	ASTM D2024
Samples	Nonionic surfactants
Measuring Range	Ambient +20 to 90˚C (194˚F) For below ambient + 20˚C, use the optional water jacketed measuring cell and a cryostat.
Temperature Sensor	Pt100 in stainless steel sheath
Cloud Point Detector	Photo-electric cell, with special detection circuitry
Measuring Cell	Modified u-tube type. Vacuum jacketed glass cell with PTFE stopcock at the bottom for drainage.
Display	5.7 inch color LCD with LED back light
Heater	Immersion heater in stainless steel sheath : 20 W
Sequense Control	By an on-board microcomputer
Test Mode	Cloud Point Test, Manual Temp Set
I/O Ports	Ethernet x 1 for LIMS USB x 1 for Flash Memory or Keyboard RS-232C x 1 for PC or Optional Printer
Safety Mechanism	Automatically shuts off and the problem is reported by buzzer and display, in case (a) ECP+10˚C is reached (b) Temperature sensor is found defective, (c) Light projector or receiver is found defective, (d) Built in battery is found drained out (e) Control computer runs away (no display)
Sise (W x D x H)	230 x 470 x 490 (mm)
Weight	14 kg
Installation Environment	RT : 10 to 40˚C RH : Less than 90%
Power Supply	AC100 V to 240V 200 VA (max) 50 / 60 Hz

Ordering Information

Standard Accessories

	Code No.	Part Name	Qty
1.	1000069	Measuring Cell, Lower	1pc
2.	1000886	Bushing for AAP	1pc
3.	1000878	Measuring Cell Stand	1pc
4.	1003737	Hexagonal Wrench	1pc
5.	1000708	Glass Tube Fuse (2A)	1pc
6.	1006672	AC Power Cord, 2.0m for 100 to 120 V	1pc
7.	1006151	AC Power Cord, 2.5m for 220 to 240 V	1pc
8.		USB Stick	

Optional Accessories

	Code No.	Part Name	Qty
1.	1006018	Printer, NEX-C200R01 100V	1pc
2.	1006019	Printer, NEX-C200R05 200V	1pc
3.	1005861	Printer Roll Paper W58XD50	1pc
4.	1006696	Mini USB Keyboard	1pc
5.	1000070	Water Jacketed Measuring Cell, Lower	1pc
6.	1000871	Insulating Tube for Low Temp.	1pc

Suggested spares

	Code No.	Part Name	Qty
1.	1000882	Measuring Cell, Upper, 2-Inlet	1pc
2.	1000069	Measuring Cell, Lower	1pc
3.	1000892	Temperature Sensor	1pc
4.	1000891	Heater	1pc
5.	1000708	Glass Tube Fuse 2A	1pc

Specifications subject to change without prior notice.
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