TANAKA

Petroleum Testing & Beyond

Automated Pensky-Martens Closed Cup Flash Point Tester apm-100

Simple
Reliable
Robust

- Easy Maintenance
- Enhanced Safety Functions
- Customized Options
- User-Friendly

Easy Replacement and Maintenance

●One-touch arm cover removal for easier igniter replacement and maintenance.

Safety Functions

●Overcut (overheat prevention)
●Fault diagnosis
●CO_2 / N_2 fire containment (external connection option)

Emergency Switch

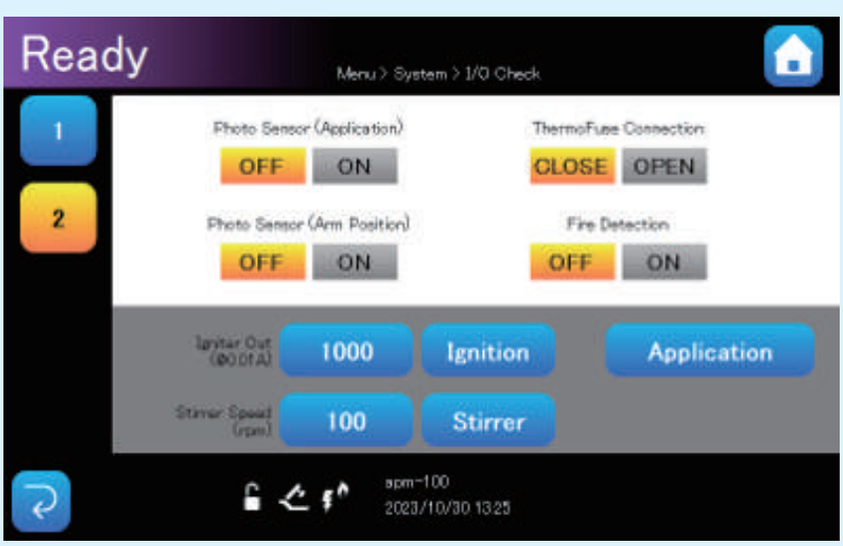
●Additional emergency switch at front panel for increased safety.

Customized Options

● 7-inch color LCD touch screen
● Flexible Custom modes to allow free setting of stirring speed, heating rate, ignition source application timing, pre-heating of sample, etc.

I/O Check

Test operation and fault diagnosis can be performed.



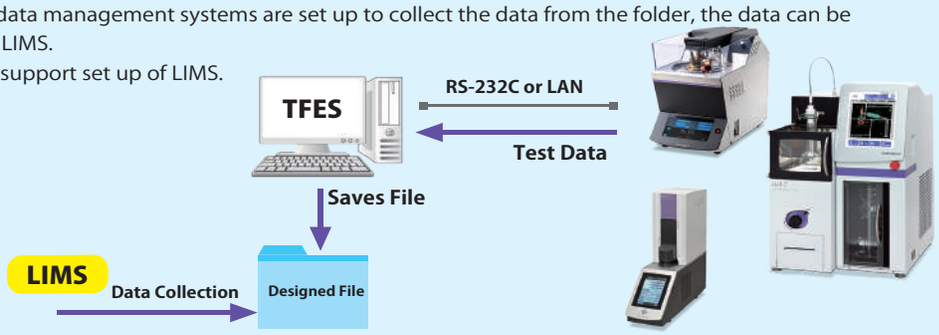
Specifications

Product Name	Automated Pensky-Martens Closed Cup Flash Point Tester apm-100
Test Methods	ASTM D93, ISO 2719, ISO 15267, IP 34, JIS K 2265-3
Measuring Range	Ambient to 370 ˚C
Test Modes	Preset Test Modes: ASTM, JIS, and ISO (Compliant with Various Test Procedures) Custom Test Modes: Customizable Modes for Various Testing Conditions
Display	7 inch touchscreen color LCD display
Temperature Sensor	Platinum Resistance Thermometer (100 Ω)
Flash Detection	Temperature Detection (CRC thermocouple)
Ignition Source	Gas ignition: Test flame automatic ignition Electric ignition: Electric Igniter
Barometric Pressure Correction	Barometric pressure correction automatic calculation
Safety Functions	①Overcut (overheat prevention) • Expected flash point +20 ˚C (No flash) • 370 ˚C (No flash) ②Fault diagnosis • Disconnection of Temperature Sensor • Disconnection of Flash Detector • Disconnection of Igniter etc. ③CO_2 / N_2 fire containment (external connection option)
External Output	USB x 2, Ethernet x 1
Power Supply	AC100 V to 120 V / AC220 V to 240 V　50 / 60 Hz　900 VA
Operating Environment	Temperature: 10 ˚C to 35 ˚C Humidity: 80 % RH or less (no condensation)
Dimensions	W 240 mm x D 480 mm x H 400 mm
Weight	18 kg
Minimum Footprint	W 340 mm x D 580 mm x H 700 mm

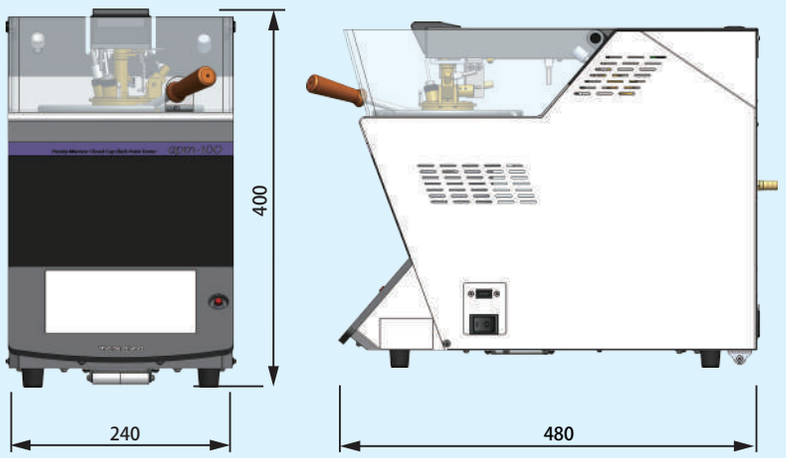
TANAKA reserves the right of changes without prior notice.

Data File Export System (TFES)

Tanaka File Export System (TFES) is a PC software that collects test data from Tanaka instruments and saves it to a designated folder as a text or CSV file.
If a LIMS or other data management systems are set up to collect the data from the folder, the data can be incorporated into LIMS.
*Tanaka does not support set up of LIMS.



Dimensions



Standard Accessories

Code No.	Part Name	Qty	Remarks
1007478	Test Cup Assembly for apm (with Handle)	1	
1000711	Thermofuse (Pack of 5, with Insulating tube)	1	
	Gas Hose φ15 x φ9.5, 1.5m	1	with Gas Hose Band
1007420	Electric Igniter, EI-8 for abl-8, atg-8, apm-8, apm-100	1	
1006746	Windscreen for apm-100	1	
1006970	Screw for Windscreen for FP100	2	
1006922	AC Power Cord 100 V to 120 V 2 m	1	
1006930	AC Power Cord 220 V to 240 V 2 m	1	
	USB Flash Drive (Instruction & Maintenance Manual)	1	

Optional Accessories

Code No.	Part Name	Qty	Remarks
1005593	Printer NEX-C200U01 AC 100 V to 120 V	1	
1005594	Printer NEX-C200U05 AC 220 V to 240 V	1	
1005861	Printer Roll Paper W58×φ50 for NEX-C200	1	

Suggested Spares for 2 years

Code No.	Part Name	Qty	Remarks
1007478	Test Cup Assembly for apm (with Handle)	1	
1000711	Thermofuse (Pack of 5, with Insulating tube)	1	
1007420	Electric Igniter, EI-8 for abl-8, atg-8, apm-8, apm-100	5	
1001314	Temperature Sensor for apm-8, apm-100	1	
1001294	Flash Detector for APM-7, apm-8, apm-100	1	

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