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

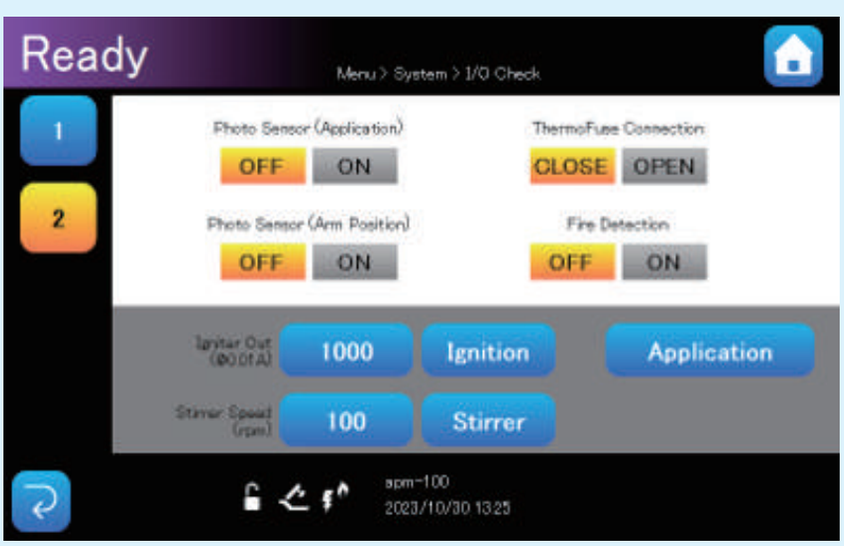
●Additional emergency switch at front panel for increased safety.

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.



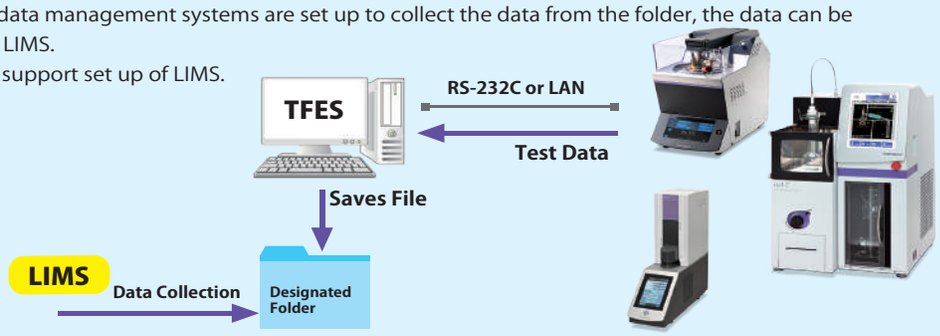
Specifications

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	PT-100 in stainless steel sheath
Flash Detection	Temperature Detection (CRC thermocouple)
Ignition Source	Gas ignition with automatic lighting or Electric ignition. Interchangeable.
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

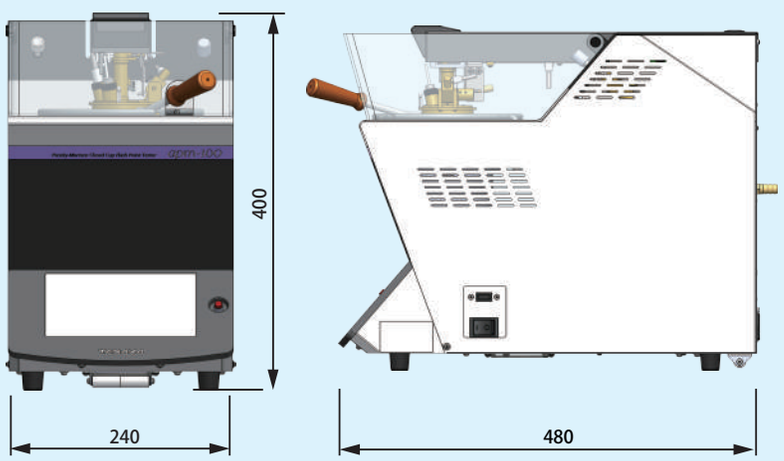
TANAKA reserves the right of changes without prior notice.

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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