

Automated Tag Closed Cup Flash Point Tester

Tag Closed Cup Flash Point Tester *atg-100w*



NEW

- Easy Operation
- Extensive Measuring Range
- Color LCD Touch Screen
- Interchangeable Between Gas and Electric Ignition

Features

Switching

Ignition source can be changed from Gas to Electric or vice versa.

Gas



Electric



Easy Replacement and Maintenance

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

Test Flame Needle Valve

Adjust the size of the test flame.

NEW!

Bath Temperature

Display the water bath temperature. When conducting tests below room temperature, the bath temperature can be confirmed before start.

NEW!

LCD Touch Screen

For simple and easy to operation.

Main Screen



Test Result

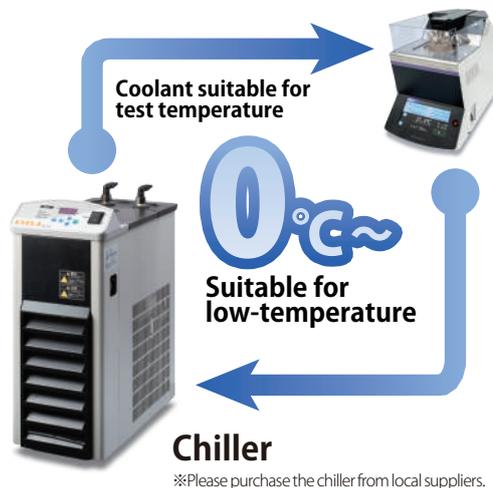


I/O Check



Extensive Measuring Range

With an external chiller, a measuring range down to 0 °C can be achieved.



Safety Functions

The following functions enable safe operation.

- **Forced Stop Switch**
Heater turns off and fire containment gas valve activates
- **Thermofuse**
For detection of flame
- **Overcut (overheat prevention)**
Expected flash point +10 °C (No flash)
- **Fire Detector**
In case sample catches fire
- **External Connection Option**
Fire containment gas is injected if connected to gas.

Introduction Video On YouTube



Specifications



Product Name	Automated Tag Closed Cup Flash Point Tester
Test Methods	ASTM D56, JIS K 2265-1
Measuring Range	0 °C to 95 °C * External chiller mandatory below room temperature.
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	CRC thermocouple
Heating / Cooling	Heating : Plate Heater Cooling : Water Cooling
Ignition Source	Gas ignition with automatic lighting or Electric ignition. Interchangeable.
Barometric Pressure Correction	Barometric pressure correction automatic calculation
Safety Function	① Overcut (Overheat prevention) • Expected flash point +10 °C (No flash) • 95 °C (No flash) ② Fault diagnosis • Disconnection of Temperature Sensor • Insulation failure of Flash Detectors • Disconnection of Igniter etc. ③ CO ₂ / N ₂ fire containment (External connection option)
External Output	USB x 2 , Ethernet x 1
Power Supply	AC 100 V to 120 V 50 / 60 Hz 600 VA AC 220 V to 240 V 50 / 60 Hz 500 VA
Operating Environment	Temperature : 10 °C to 35 °C Humidity : 80 %RH or less (No condensation)
Dimensions	W 240 mm x D 510 mm x H 400 mm
Weight	18 kg
Minimum Footprint	W 340 mm x D 580 mm x H 700 mm

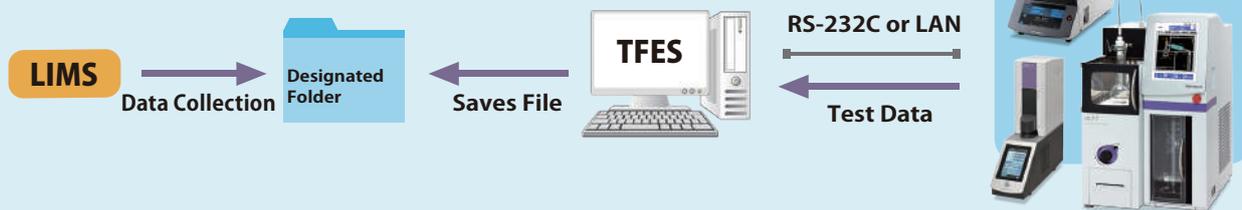
TANAKA reserves the right of changes without prior notice.

Data File Export System (TFES)

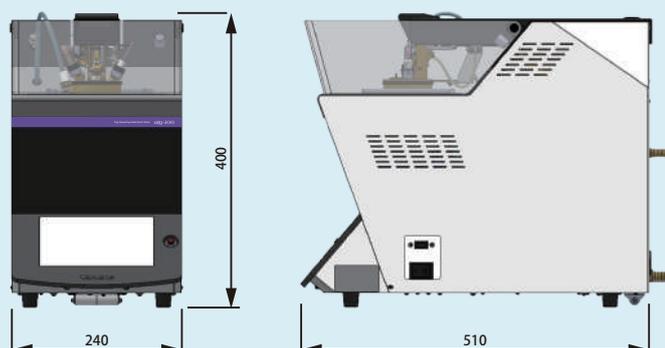
Tanaka File Export System (TFES) is a PC software that collects test data from Tanaka instruments and saves it to a designated folder as a text or CSV file.

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

Part Number	Part Name	Qty	Remark
1001376	Test Cup for atg	1	
1000412	O-Ring G-45 (3.0mm diameter)	1	
1007420	Electric Igniter,P1250 for abl-8, atg-8/100, apm-8/100	1	
1000711	Thermofuse (Pack of 5, with Insulating tube)	1	
1000449	Gas Hose $\varphi 15 \times \varphi 9.5$, 1.5m	1	For Gas ignition only.
1007811	Gas Hose Band T-16	2	
1005925	Braided Hose for Water $\varphi 10 \times \varphi 16 \times 1.5$ m	1	For Supply x1, For Drainage x1
1007866	Drain Hose Band	5	
1007882	Strainer	1	
1007241	Windscreen for atg-100w	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

Part Number	Part Name	Qty	Remark
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 \times φ 50 for AKV-202, RX, NEX-C200	1	
1007883	Chiller Connection Kit	1	Modification at factory with this kit necessary to achieve circulation below 0 °C using the chiller.
1007964	Thermal Insulation Lid	1	For bath liquid temperatures below 0 °C.

Suggested Spares for 2 years

Part Number	Part Name	Qty	Remark
1001376	Test Cup for atg	1	
1000412	O-Ring G-45 (3.0mm diameter)	1	
1007420	Electric Igniter,P1250 for abl-8, atg-8/100, apm-8/100	1	
1001402	Temperature Sensor	1	
1007687	Temperature Sensor for a bath	1	
1000903	Flash Detector	1	

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