

# TR-TC-261-1 Pensky-Martens Closed-Cup Flash Point Tester



This instrument is designed and manufactured as per standards GB/T 261-2008 Determination of Flash Point - Pensky-Martens closed cup method and ASTM D93 Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester. It is used to make determination of the closed cup flash point of the petroleum products.

## **Main technical features:**

1. Single chip microcomputer control technique.LCD screen displays.English man-machine interaction interface.The heating power is continuously step-less adjustable.The rate of heating up is exact.Easy setting for parameters.
2. The LCD screen has prompting menu,prompting input operation interface.It shows the setted parameters,real-time temperatures and other test parameters.Press the “record”button when the flash point appears.The screen will show and reserve the flash point.
3. The structure is newly design and small.Stainless steel table-board looks clean and beautiful.It can be used as long as equipped with gas or other civilian fuels.It is easy to use and test results exact.

## **Main technical specifications:**

1. Power supply : AC( 220±10% )V, 50Hz.
2. Heating device : (1) The furnace is silicon carbide material. Power is 600W.  
(2) The heating power is adjustable from 0 W to 600W.
3. Heating rate : Procedure A: (5~6)°C/min, Procedure B:(1~1.6)°C/min.  
Automatically controlled

4. Stirring device : (1)Stirring motor: BYGH101 stepping motor
  - (2) Driving mode: flexible shaft
  - (3) Shaft size: 8mm×40mm
5. Stirring rate : Procedure A: (90~120)RPM, Procedure B: (250±10)RPM
6. Igniting device : (1) Igniting source: gas (or other civilian fuels, the same below)
  - (2) Electric ignition. Gas flame diameter:3.2mm~4.8mm
7. Temperature testing probe : RTD, PT100
8. Ambient temperature :  $\leq 35^{\circ}\text{C}$
9. Relative humidity :  $\leq 85\%$
10. Maximum power consumption : 650W

No.	Item	Unit	Qty	Remarks
1	Thermometer -5 ~ 110 °C, each scale division is 0.5 °C	Piece	1	GB / T261-2008 Standard requirement
2	Thermometer 20 ~ 150 °C, each scale division is 1.0 °C	Piece	1	
3	Thermometer 90 ~ 370 °C, each scale division is 2 °C	Piece	1	
4	Driving flexible shaft	Piece	1	
5	Latex tube $\Phi 3$ 250mm	Piece	3	One for alternate
6	5A fuse ( $\Phi 5 \times 20$ )	Piece	2	
7	Thermometer adapter	Set	1	
8	Thermometer liner (Cut suitable length of liner to wrap the lower end of the thermometer, so that the thermometer is just inserted into the thermometer adaptor)	Piece	5	