PHOENIX INDIA SOLUTIONS

FLASH POINT TESTER (ASTM D 92)

Abel flash point tester for determining the flash point according to **ISO 2592 , ASTM D 92 , IP 36 , IS 1448 (P-69).**
It is the first-class solution for automatic high-precision flash point testing in the **petroleum, chemical, and fragrance industries, and for test laboratories.** Automated measurements, excellent heating control, and unmatched ease of use are the basis for accurate flash point results.

SPECIFICATIONS:

1) **Temp. Range:** 79 to 400° deg C.

2) **Test Method :** ISO 2592 , ASTM D 92 , IP 36 , IS 1448 (P-69).

3) **Ignition Source** : Gas Flame with two Pilot electric Coil.

4) **Temperature Sensor** : PT-100 in stainless steel sheath.

5) **Flash/Fire Detector:** Ionization principle based flash-detector sensor.

6) **Controller: HMI Touch Screen** with Color Display and Inbuilt storage of approx.300 sample with audio visual alarm to check the machine. 3-wire RTD temperature sensor, free potential flame detector sensor as i/p. with automatic barometric reading correction.

7) It is with **PC Interface for data storing.**

8) **Flame-Sampling Arrangement**: 10 Rpm, D.C. 12 v or 24V DC, gear motor, vertical movement reciprocating to & fro motion.

9) **Heater**: 800 W, 230 V.

10) **Electrical ignition** for pilot flame-sampling. Ignition transformer continuous o/p of 10.6 KV. D.C. from 230 VAC i/p.

11) Equipment Overall Size (LxWxH): 280mm (W) X 530mm (D) X 415 mm (H), Equipment Gross Weight: 22 Kg.

12) Equipment supply will be 230 V Ac , 50 Hz with 15 amp capacity.

FEATURES:

The Flash Detection sensor and temperature sensor are permanently mounted on a lid, which allows easy setting of the specimen.

Automatically shuts the Machine and buzzers if

a) EFP+30C or at 400C is reached

b) Temperature sensor is found defective

c) Flash detector is found defective

d) LPG solenoid is working

e) Stirrer not working

f) Heater has gone

g) Side Ignition coil/solenoid has gone

Accessories Supplied with Instruments:

1) COC Cup -- 1 No

2) Thermal Printer -- 1 No

3) Thermal Printer Roll -- 1 No

4) PC Interface Cable – 1 No.

5) Software For Above-- 1 No.

6) Thermal Fuse – 1 No.

7) Signal Cable - 1 No.

Installation Pre-requisites:

1) **Temperature:** 0 to 45 degree C,

2) **Humidity:** Less Than 90% (No condensation).

Utility:

a) Power Supply 230 V Ac, 16 amps.

b) GAS Supply (LP Gas or Natural Gas Pressure Less than 9.8 Kpa) in case of gas fired.