

## **SCOPE OF WORK AND SPECIFICATION FOR THE SUPPLY, DELIVERY, INSTALLATION, AND COMMISSIONING OF A FLASHPOINT TESTER**

### **1. Description of the goods**

- Supply, delivery, installation, and commissioning of a complete Flashpoint Tester
- Train 3 staff members on how to operate the equipment.

### **2. Specifications**

#### **Flashpoint Tester**

- Automatic Pensky Martens closed-cup flash point tester, compliant with ASTM D93
- Flash point measuring range 20 °C to 410 °C.

#### **Requirements:**

- Automated Pensky-Martens flashpoint tester
- Heater block according to ASTM D93 Standard
- Fire containment system in case the sample accidentally catches fire, the instrument should automatically be able to extinguish the fire.
- Test method or user-defined heat rate, with the option to detect unknown flashpoints.
- Automatic stirrer
- Equipped with both gas and electric igniter as ignition source.
- Built-in sensor for automatic correction of flash point:
  - USB port
  - Data interface and export to printer and LIMS.
  - Printer
  - Calibration Certificate

#### **Test standards**

- ASTM D93

#### **Included**

- User manual

#### **Important notes:**

- Payment will be made once installation, commissioning and training has been completed to the satisfaction of the end-user.
- Job completion form, to be signed off by both the supplier and the end-user.

#### **Delivery address**

Eskom Holding SOC LTD  
Research and Innovation Centre  
Lower Germiston Road  
Rosherville  
2094