INSIZE

www.insize.com

5803-B40

PORTABLE REFRACTOMETER FOR DIESEL EXHAUST FLUID

OPERATING INSTRUCTION

PLEASE SCAN QR CODE TO WATCH THE OPERATION VIDEO OF PRODUCTS.

VIDEO

INSIZE

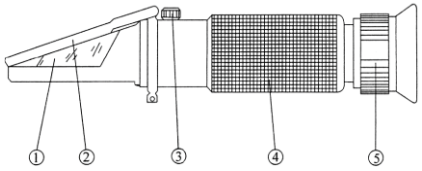
Attention and Maintenance

- After usage, do not use water to wash the instrument, so as to avoid water entering the inside of the instrument.
- It should be handled lightly and carefully maintained in the usage and maintenance. Do not touch or scratch the optical surface.
- Please keep it in a dry,clean and non-corrosiveness environment, to prevent the surface from turning mouldy and foggy.
- Please avoid strong shock during transportation.
- The prism in contact with the tested object is a consumable product and cannot be repaired. Please understand.
- The user must comply with the above methods of use, otherwise the damage is not covered by the warranty and will not be guaranteed.
- This product without temperature compensation function, the measurement is suggested that under the room temperature 20°C ±0.5°C, to ensure accurate measurements.

Introduction

It is used to accurately and quickly measure the concentration of automobile urea.

Structure diagram:



1) Prism 2) Cover Plate 3) Calibration Screw 4) Rubber Tube
5) Eyepiece and Focal Adjustment Ring

Operation Introduction

1. Aim the front end of the refractometer in the direction of a bright light, and adjust the focal adjustment ring until the reticle can be seen clearly.(Note:Because the instrument is sensitive to temperature, do not touch the front metal part of the finger during use.)
2. Calibration: make the standard liquid (purified water), the instrument and the liquid to be tested based on the same temperature(recommendation: room temperature 20° C± 0.5° C) before the measurement. Open the cover plate, drop one or two drops of standard liquid (purified water) on the prism surface, close the cover plate, press it lightly. Then adjust the calibration screw to make the light/blue boundary concide with null line(0°C).
3. Open the cover plate, and wipe the surface of the prism with a soft flannel. Drop one or two drops of the solution to be measured on the prism surface, close the cover plate and press it lightly. Then read the corresponding scale of light and dark boundary. The reading is the concentration of urea of measured liquid.
4. After the test, wipe the attachment on the surface of the prism and the cover plate with a clean damp lint, and store it properly after drying.