



Main Features and Specifications

- Split structure, separated measuring unit and control unit for easy operation.
- Large LCD screen, Chinese or English interactive menu, with opacity reading and light absorption coefficient reading, simple, direct and convenient operation.
- With functions of free acceleration test and measurement of transients, automatic process of test data and display of measuring results.
- With functions of License Plate Number entry, save, data view.
- 15 minutes warm-up time, automatic zero reset.
- With adoption of advanced partial flow technology, measuring unit tests smoke emissions of diesel-powered vehicles directly. "Scavenge air curtain" technology prevents the optical system from being polluted. With constant temperature control in the sample cell, it can avoid condensation and influence of accuracy due to change of temperature.
- Equipped with oil temperature measurement probe.
- Equipped with RS-232C digital serial interface for communication with external computer.
- The performance meets the requirements of ISO11614 and GB3847-2005.

Options and Accessories:

- ▶ Micro printer.
- ▶ Various RPM measurement sensors or adaptors.
- ▶ DC12V vehicle power inverter.

NHT-6 Opacimeter

Main Technical Specifications

◆ Measuring Range

Opacity: 0 ~ 99.99 %
 Light Absorption Coefficient: 0 ~ 16.0m⁻¹
 Revolving Speed: 300 ~ 9999 rpm
 Oil Temperature: -50 ~ 120°C

◆ Resolution

Opacity: 0.1 %

◆ Measurement Accuracy

Opacity(uncorrected): ±2.0% (abs.)
 Revolving Speed (piezoelectric): ±1.0% (rel.)
 Oil Temperature: ±2°C (abs.)

◆ Effective Length of Optical Path: 215mm

◆ Equivalent Length of Optical Path: 430mm

◆ Length of Sampling Probe: 2.5m

◆ Power Consumption: 200W

◆ Power Supply: AC220V ±10% 50Hz ±1Hz

◆ Weight

Control unit: 5.5Kg(Including the printer)
 Measuring unit: 6.5Kg

◆ Outer Dimension

Control unit:
 370mm(W) × 280mm(D) × 220mm(H)
 Measuring unit(Including the supports):
 410mm(W) × 215mm(D) × 360mm(H)

