



YD-1

Automatic Smoke Meter

Main Features and Specifications

YD-1 Automatic Smoke Meter is a kind of filter paper smoke meter used to measure exhaust smoke from diesel vehicles under free acceleration state. It meets the requirements of GB 3847-2005 China Standard. A set of specially designed electrodynamic gas extracting system assures the air extraction accurate and the performance reliable. As it is equipped with microcomputer, the whole testing process is full automatization. Unique design of outer appearance makes operation easier, and display clearer. It is also equipped with analogue output interface and RS-232C digital serial communication interface, which makes the communication with external equipments more convenient.

Main Technical Specifications

- ◆ **Measuring Range:** 0 ~ 10 Rb
- ◆ **Air Extraction:** 330ml ± 15ml
- ◆ **Suction Time:** 1.4s ± 0.2s
- ◆ **Measurement Accuracy:** ±3%F.S.
- ◆ **Zero Drift:** ±2%F.S./1h
- ◆ **Repeatability Error:** ±2%F.S.
- ◆ **Warm-up Time:** 10min
- ◆ **Power Supply:** AC220V ±10% 50Hz ±1Hz
- ◆ **Weight:** 20kg
- ◆ **Outer Dimension:**
330mm(W) × 215mm(H) × 520mm(D)

