

PF200 Ferrous Wear Meter



ANALYSIS METHOD

Place the 5 mL test tube containing the sample directly into the instrument's sample well. The metal content, expressed in PPM, will be displayed on the screen in less than 2 seconds. It can be used in conjunction with a cold corrosion test kit to determine the total iron content in marine cylinder oils.

FEATURES & BENEFITS

- The ferrous analyzer is mainly used to detect metallic particles in oil samples taken from cylinder friction oil.
- The PF200 provides a simple and userfriendly operating platform.
- Independently developed by Soohow Instruments, the instrument has undergone strict internal quality management and control, featuring high accuracy and reliability.
- It is an ideal instrument for onsite oil sample testing and analysis, such as on board ships or in remote locations where complete laboratory analysis is unavailable.
- The PF200 is a precision magnetic ferrous analyzer suitable for field applications.

APPLICATION FIELD



Wear monitoring of mechanical systems



Evaluation of lubricating oils for mechanical systems



Assessment of ferromagnetic wear debris in gearboxes



Residual evaluation of bearing lubricating oils

MAIN TECHNICAL INDICATORS

| Project | Data |
|-------------------------|---|
| Functional Principle | Detects the content of ferromagnetic substances in lubricating oil by measuring the variation of the induced magnetic field |
| Dimensions (L×W×H) | 154*155*65mm |
| Gross Weight | ≤2kg |
| Display | 3.5-inch LED display, 480×320 pixels |
| Input Mode | Capacitive touch screen |
| Interface | USB interface (slave mode – USB flash drive) |
| Sample Volume | 2 mL test tube |
| Measuring Range | 0--3500ppm |
| Resolution | 1ppm |
| Repeatability | RSD ≤ ±3%, typical |
| Detection Speed | ≤15s |
| Operating Temperature | 0°C to 85°C |
| Software | Embedded software |
| Data Storage and Export | USB flash drive export mode, capable of storing up to 1000 groups of data |
| Power Adapter | DC 12 V power adapter |