

TBN-200 Portable Total Alkalinity Tester



高稳定



高性能



尺寸紧凑

MAIN FEATURES

1. High-precision Detection: Accurately measure the water (H₂O) content and base number (BN) in lubricating oil to ensure reliable data.
2. Portable Design: Compact in size and light in weight, it is easy to carry and enables detection anytime and anywhere.
3. Sturdy and Durable: With a robust casing, it can adapt to harsh environments and ensure long-term stable operation.
4. Easy to Operate: It has a user-friendly interface and simple operation. Without the need for complex training, users can quickly get the hang of it.
5. Rapid Detection: Complete the detection within a short period of time and obtain the results immediately, which is highly efficient and convenient.
6. Data Management: The USB interface supports data storage and export, facilitating subsequent analysis.
7. Diverse Models: Three models are provided, namely water content detection, base number detection, and comprehensive detection, to meet different needs.
8. Wide Application: It is suitable for multiple industries such as automotive, industrial, power, mining, shipping, etc., and helps with equipment maintenance and oil management.
9. Safe and Reliable: It is powered by a battery, eliminating the need for an external power source. It is safe to use and easy to maintain.

APPLICATION FIELD



Shipbuilding and Ocean Engineering



Power Industry



Transportation Industry



Laboratory and Quality Control

PRODUCT INTRODUCTION

The TBN-200 is a portable digital oil detector equipped with USB storage and charging functions. It can accurately detect and measure the water (H₂O) content or residual base number (BN) in lubricating oil. This instrument is powered by a battery, features a robust and compact design, making it easy to carry and use. It can quickly, accurately, and consistently manage lubricating oil sample data.

Monitoring the health status of lubricating oil is a proven method that can be used to predict potential problems, extend the service life of equipment, and avoid equipment failures, thereby optimizing operating costs. By identifying the condition of the lubricating oil in advance, measures can be taken before serious damage occurs, ensuring the continuity of the production process, extending the service life of the equipment, and improving the return on investment.

TECHNICAL INDEX

Project	Data
Interface:	USB interface
Battery module:	3.7V; 18650; 6000mA; Support rechargeable; With a charging indicator light
Panel buttons:	4 keys - Definition: plus, minus, confirm, return
Pressure sensor:	0-5BAR;
Pressure chamber:	Threaded rotating bottom cover type
Total alkali value detection:	Range: 0-80TBN; Repeatability ≤ 5 or 10%
BN resolution:	1BN
Moisture content detection:	0.03--10.0 (V%); Repeatability ≤ 5
Software:	Embedded software
Data storage:	Built-in memory (Supports saving up to 150 groups of data at most)
Structural dimensions (outer diameter * height)	86*88mm
Weight:	0.9kg