

PETROTECH

Quick Mobile Oil
Analyzer

PT-OCM 100



BACKGROUND

SAMPLE TYPE - HYRAULIC OIL, GEAR OIL, TURBINE OIL AND VARIOUS LUBRICANT OIL ETC

Controlling and monitoring lubricating Oil conditions and quality is necessary to proactively monitoring the condition and longevity of our systems, our PT Quick Mobile Oil Analyzer Model PT-OCM 100 can easily, quick and precisely measure the pollution degree as well as the **Viscosity, Density, Temperature, Dielectric Constant, Particle Counts and Moisture Content** of the lubricating oils. Use a low-cost and simple operate to realize scientific oil change according to quality, prolong the use time of lubricating oil, detect equipment failures early and avoid major losses.



FEATURES

- ▶ Porta Unit
- ▶ User-friendly Touch Screen Easy Operation
- ▶ Real-Time data display
- ▶ 32GB Storage Memory
- ▶ Built in printer for results printout
- ▶ Support analysis of historical data
- ▶ USB Port for easy Data export
- ▶ Anti-corroison and Anti-pollution coating design
- ▶ Simple daily maintenance
- ▶ Stable and reliable unit in terms of performance
- ▶ Intelligent temperature system to keep oil viscosity at 40°C, precisely showing viscosity results for comparison with international standard viscosity value.

APPLICATIONS

- ▶ hydraulic oil, gear oil, turbine oil and various lubricant oils etc.
- ▶ Steel Industry
- ▶ Shield machine
- ▶ Cement Industry
- ▶ Wind power
- ▶ Aviation
- ▶ Railway
- ▶ Electric power
- ▶ Shipping
- ▶ Petrochemical
- ▶ Metallurgy and other engineering machinery industry
- ▶ laboratory analysis



MODEL PT - OCM 100

OUT OF BOX BUNDLE

- 1 x PT OCM 100 Mobile Oil analyser with built in Printer
- 1 x Inlet Tube
- 1 x Outlet Tube
- 2 x Printer Paper Set.
- 2 x 250ml transparent Bottle with Cap
- 2 x 3200mAh battery cell
- 1 x Stylus for Touch Screen
- 1 x Power adaptor with 1.5m Cable
- 1 x Rugged Carrying Case
- 1 x One laminated page includes SOP (Standard Operating Procedures).
- 1 x Product Test Report.
- 1 x USB memory stick includes SOP, Test report and instruction manual.



SPECIFICATIONS

Physical Properties

Density range (kg/m ³)	600 kg/m ³ ~ 1250 kg/m ³ Accuracy: 2%
Viscosity range (cSt)	1 ~ 500 cSt Accuracy: 5% or 1mpa·s
Temperature	PT-OCM 100 designed with Temperature control system to keep oil viscosity teste at 40°C with temperature accuracy of ±0.3°C

Particle Counting

Particle size range	1~100µm or 4 ~70µm(c) Accuracy: ±1 pollution level (Particle counting: ±20%)
Particle size range	1µm (ISO4402) or 4µm(c) (ISO11171, GB/T18854-2002)
Sensitivity	8 Channels and Testing range: 1~ 100µm or 4 ~ 70µm(c) displayed on Instrument 1µm, 2µm, 5µm, 10µm, 15µm, 25µm, 50µm, 100µm or 4 ~ 70µm(c) displayed on Instrument 4µm(c), 4.6µm(c), 6µm(c), 10µm(c), 14µm(c), 21µm(c), 38µm(c), 70µm(c)
Oil Sample Viscosity (max)	320 mm ² /s (cSt)
Calibration	In accordance with ISO 11170

Other Properties

Water activity (aw) range	0 ~ 1 aw Accuracy: 0.3%
Moisture in oil range	0-2000 ppm Accuracy: 0.3%
Oil Quality (Dielectric constant)	1-6 level Accuracy: 5%

General Specifications

Display	7-inch LCD Touch Screen
Contaminants and pollution degree	NAS1638 and IUSO4406 standard
Printing	Built in prefer for instantly print test reports
Data Storage	32 GB sufficient for over 300,000.00 Resuklts



Analysis Time

5 ~ 7 mins

Interfaces

Built-in PC with USB and RS232 interfaces; Direct LIMS connectivity.

Operating conditions

Ambient to 50°C, Humidity up to 90% RH, non-condensing

Power Supply

Built-in rechargeable Battery enough for 3 working hours - Charging power 220V - 50/60 Hz.

Dimensions (L x W x H) mm

380 x 300 x 172 mm.

Weight

9.5 kg

Ordering Information

PN

Contents

PT-OCM-100

PT OCM-100 Mobile Oil Quality analyser

