

# Comprehensive Oil Analyser

## Introduction :

Portable, mobile oil analysis laboratory, the **Comprehensive Oil Analyser** quickly, easily and consistently measures the pollution degree of the lubricating oil, as well as the viscosity, density, temperature, dielectric constant, and moisture content of the lubricating oils. Determine scientific oil change according to quality, prolong the use time of lubricating oil, detect equipment failures early, and avoid major losses.

## Features :

Easy, touch screen operation

Real-time display, print and storage of test results

User-friendly, anti-corrosion, anti-pollution coating design, easy for daily maintenance

Built-in software program for real-time analysis on test data, export data and trend historical readings

Intelligent temperature system maintains oil viscosity at 40°C, compliant with international standards

Display	:	7" touch screen
Power supply	:	220V 50Hz
Size	:	380 x 300 x 172MM
Weight	:	+/- 9.5 KG
Power	:	Built-in rechargeable battery pack for two hours of continuous use

## Measured Parameters :

Density range	:	600 kg/m <sup>3</sup> -1250 kg/m <sup>3</sup> , Accuracy : 2% or 5kg/m <sup>3</sup> (whichever is greater)
Viscosity (cSt)	:	1-500cSt, Accuracy : 5% or 1cSt (whichever is greater)
Water activity (aw) range	:	0-1 aw, Accuracy : 0.03aw
Moisture in oil range	:	0-2000 ppm, Accuracy : 10% or 10ppm (whichever is greater)
Oil Quality (Dielectric constant)	:	1-6 level, Accuracy : 5%

## Add one of the below :

Contaminants and pollution degree : NAS1638, ISO4406 and SAE749D standards. Particle size range : 1-100um (oils viscosity can up to 320cSt).  
Accuracy: ±1 pollution level

Or

Wear particles : Fe particles >40um, Five channel distribution and total number of ferromagnetic particles (40 - 99µm, 100 - 199µm, 200 - 299µm, 300 - 399µm, ≥ 400µm ),  
Non-Fe particles >150um, Five channel distribution total number of Non-ferromagnetic particles (150-199µm, 200 - 299µm, 300 - 399µm, 400 - 499µm; ≥ 500µm)

