

HF-TC-645

Oil Particle Counter



This Oil Particle Counter accurately counts particles of various sizes in transformer oil and hydraulic oil. It assesses oil contamination level according to ISO 4406 and NAS 1638 standards to guide equipment maintenance.

Key features

- Adopts light blockage (light extinction) principle
- High-precision imported German sensor ensures excellent resolution and accuracy
- Precision metering pump provides stable sampling flow and accurate volume control
- Color LCD display with touch-key operation
- Preloaded with six standards: NAS1638, ISO4406, GJB420A, GJB420B, SAE749D, SAE4059E

Technical specifications

Parameter	Value
Light Source	German semiconductor laser
Measuring Range	1 um ~ 400 um
Sensitivity	1 um (ISO 4402) / 4 um
Measuring Channels	8 channels
Sampling Flow	5~200 mL/min
Resolution	Better than 10%
Repeatability	±0.5 ISO class
Storage	32G
Data Output	Built-in printer / USB flash disk
Power Supply	AC220V / built-in lithium battery
Working Temperature	0°C ~ 50°C
Calibration Period	1 year
Dimension	550×400×250 mm

Compliance and documents

Applicable standards	[TO BE CONFIRMED] standard applied to this model
Calibration certificate	[TO BE CONFIRMED]
Optional accessories	[TO BE CONFIRMED]

Warranty and support

12-month warranty on every exported instrument. English operation manual and remote video guidance at commissioning. T/T, L/C at sight and deposit terms for bulk orders; sea, air or rail shipping.