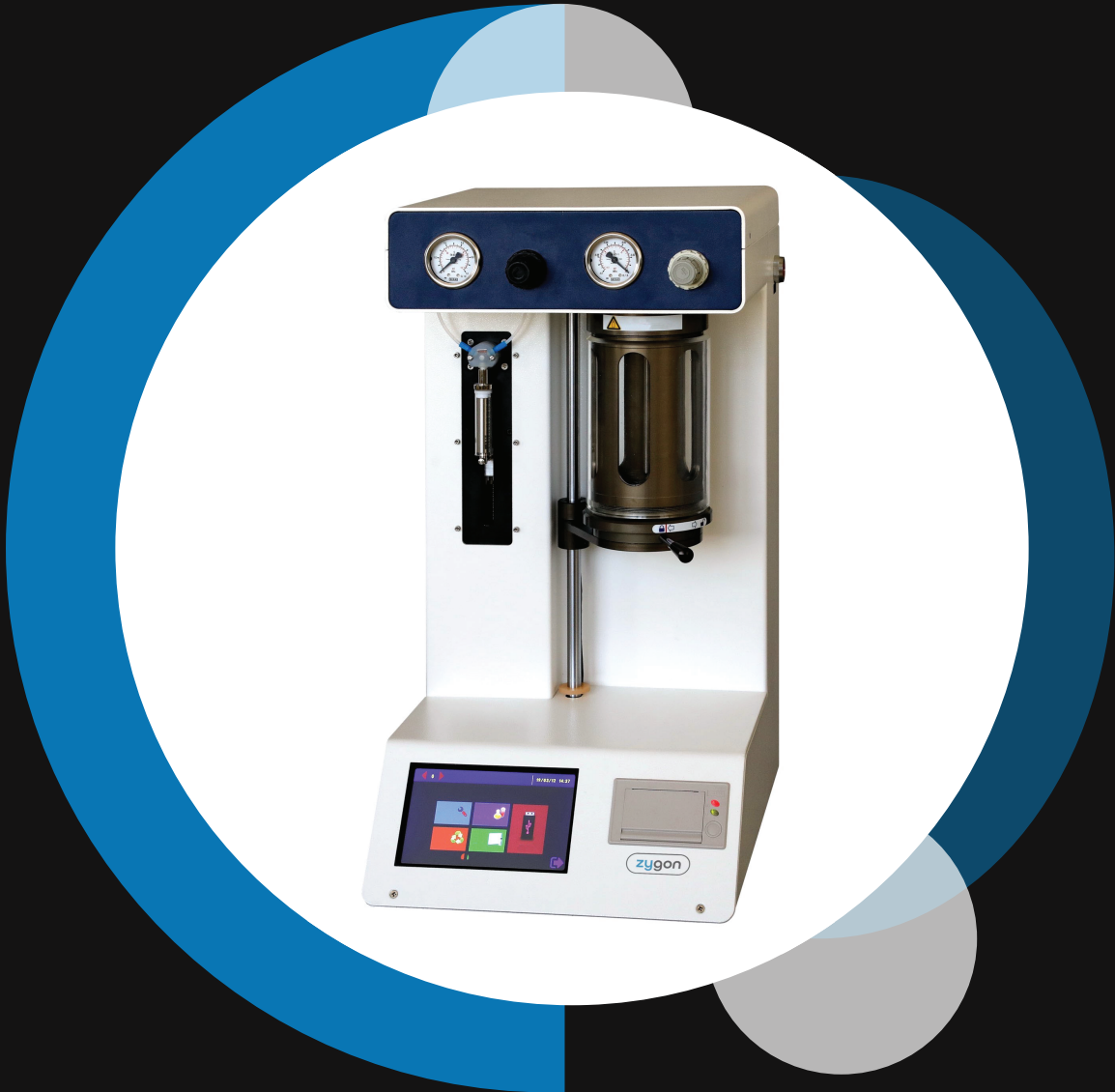




www.zygon.ca

| info@zygon.ca



ZPC-100 OBA OIL PARTICLE COUNTER



Oil Particle Counter

- Adopts the counting principle of the photoresist (shading) method formulated by the International Hydraulic Standards Committee.
- High-precision laser sensor, wide test range, stable performance, low noise and high resolution.
- High-pressure syringe pump sampling method is adopted, the sampling volume can be set by itself, the sampling speed is stable, and the sampling accuracy is high.
- The positive and negative pressure combined sample injection system can realize sample degassing, which is suitable for testing samples of different viscosities.
- Built-in pressure sensor: you can set the pressure value, and automatically judge the air pressure in the cabin to ensure safety.
- Built-in air purification system to ensure that the test is not polluted.
- Built-in multiple calibration curves, compatible with all common domestic and foreign standards for calibration.
- Built-in data analysis system, one test can give all standard test data and pollution level.
- Built-in viscosity, moisture and temperature sensor modules provide viscosity, moisture content saturation, ppm value and temperature reference value while accurately testing particle distribution (optional).
- The particle size can be arbitrarily set, with nearly 10,000 built-in particle sizes, which is convenient for particle size analysis.
- Various sampling containers such as standard sampling bottles or sampling cups can be used to meet the testing requirements of different industries.
- Full-function automatic color touch screen operation.
- Single-channel and multi-channel calibration can be performed to realize automatic calibration function.
- With RS232 interface, it can be connected to a computer or laboratory platform for data processing.
- With mass data storage and printing functions, it can store 1000 sets of data and support U disk storage of data.

Light source	Semiconductor laser
Particle size range	0.8 μ m~600 μ m (depending on different sensors)
Detection channel	16 channels, the particle size can be set arbitrarily
Sensitivity	0.8 μ m (ISO4402) or 3 μ m (c) (GB/T18854, ISO11171)
Resolution	<10% (GB/T18854, ISO11171)
Repeatability	RSD<2%
Sample detection viscosity	\leq 650cSt (if the viscosity is too large, it can be detected by heating or dilution method)
Sampling volume	0.2~1000mL, interval 0.1mL
Sampling accuracy	Better than \pm 0.5%
Sampling speed	5 ~ 80mL/min
Air pressure chamber	Positive and negative air pressure chamber device, realize sample degassing and high viscosity sample detection
Maximum vacuum of air pressure chamber	-0.08Mpa
Maximum positive pressure of air chamber	0.8 Mpa
Maximum particle concentration	12000~40000 particles/mL
Temperature (optional): Collection range	Collection range: 1~100°C; Collection accuracy: 1°C
Water activity (optional): Collection range	Collection range: 1~100%RH; Collection accuracy: 1%RH
Water content (optional): Collection range	Collection range: 1~300ppm; Collection accuracy: 1ppm
Power supply	110~245V AC, 50Hz, 70W
Dimensions	340mm \times 410mm \times 650mm
Instrument net weight	25kg