

## KPM'S –Oil Particle Tester (KPM IPT-01)

### FEATURES -:



1. The principle of photo resistance method (shading method), the use of high-precision laser sensor, small size, high precision, stable performance.
2. It is suitable for laboratory or field testing, and can also be equipped with pressure reducing device for online high-pressure measurement to achieve real-time detection of oil particle pollution.
3. Built-in calibration function. It can be calibrated to GB/T21540, ISO4402, GB/T18854 and other standards.
4. Built-in data analysis system. It can automatically determine the sample grade according to the standard, and has the function of automatic data processing and printing.
5. The alarm level can be set at will, and the alarm will prompt if it exceeds the limit value to realize the pollution or cleanliness detection.
6. Built-in micro water sensor and temperature sensor.
7. Positive/negative pressure can be formed by external pressure chamber to realize the detection of high-viscosity samples and the degassing of samples.
8. With volume flushing and long flushing mode, easy to use and maintain.
9. Large storage, you can choose to store it inside the instrument or in an external storage device.
10. Embedded design, high strength shell, easy to carry, suitable for all kinds of construction machinery

### MAIN PARAMETERS -:

<b>Light source</b>	Semiconductor Laser
<b>Sample Viscosity</b>	≤100cSt (air pressure chamber can be selected for higher viscosity)
<b>Flow Rate Range</b>	5 ~ 60mL/min (optimal 30mL/min)
<b>Online detection Pressure</b>	0.1 ~ 0.6Mpa (optional decompression device maximum pressure up to 42 MPa)
<b>Sample Temperature</b>	0 ~ 80°C
<b>Particle Size Range</b>	1 ~ 500µm (select different types of sensors)
<b>Sensitivity</b>	1µm or 4µm(c)
<b>Measurement Standard</b>	GJB420B, SAE4059F-CPC, ISO4406, GB/T14039, GJB420A, NAS1638/SAE4059F, GOST17216
<b>Counting Volume</b>	1 ~ 999mL
<b>Counting Accuracy</b>	±0.5 pollution level
<b>Test interval</b>	1s to 24h
<b>Limit Coincidence Error</b>	40000 capsules /mL
<b>Data Storage</b>	Provides 1000 groups of data storage space, and supports U disk storage
<b>Water Activity Range</b>	0 ~ 1aw (±0.05aw)
<b>Water Content Range</b>	0 ~ 360ppm (±10%)
<b>Interface</b>	USB interface, power interface
<b>Protection Level</b>	IP67 (protective box)

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