labodam

Liquid Particle Counter

LLPC-A10

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Liquid Particle Counter LLPC-A10 comes with high precision syringe sampling and semiconductor laser sensor. Designed using photoresist method principle, it detects size and number of solid particles in a liquid sample. It's a high quality performance instrument, designed in accordance with international standards such as ISO4406:1999.

Features

- Precision syringe sampling with stable sampling rate
- Built-in threshold- diameter curve
- 8 Measurement channels
- Wide Detection range
- Large LCD touch screen display
- Large data processing, classification, verification
- Built–in printer RS232 interface with connection to printer
- Instrument calibration and verification as per international standards

Applications

Used in petroleum, metallurgy, automobile, aviation, chemical and other fields to detect insoluble particles present in hydraulic oil, petroleum oils, turbine and insulating oils, liquid polymer solution.

Specifications

Model no.	LLPC-A10
Measurement range	1 to 250 µm (25 sensors)
	1 µm to 320 µm (32 sensors)
	2 µm to 400 µm (40 sensors)
Light Source	Semiconductor laser light
Measurement Channels	8 channels
Particle size	1 µm (2 µm) to arbitrarily set within 100 µm
Sensitivity	1 µm (ISO04402)
	4 µm (C) (ISO11171) (25, 32 sensor)
	2 µm (ISO4402) (40 sensor)
Sample volume	≥ 0.5 ml
Sample accuracy	Better than ± 1 %
Sampling rate	5 ml/ min to 60 ml/ min
Resolution	< 10 %
Coincidence error limit	10,000/ ml (5 % Coincidence error)
Maximum cabin pressure	0.6 MPa
Maximum cabin vacuum	0.08 MPa
Maximum viscosity detection	350 cps (40 sensor)
	250 cps (32 sensor)
	100 cps (25 sensor)
Ambient temperature	10 to 40°C
Interface	RS232
Internal Dimension	430 × 320 × 590 mm
Internal Weight	55 kg
External Packaging Dimension	450 × 340 × 620 mm
External Packaging Weight	75 kg
Power	80 W
Power supply	220 V, 50 Hz