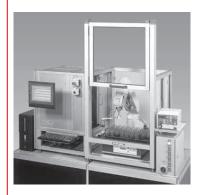


# HYDAC INTERNATIONAL



# **Automated Laboratory Particle Counter**

ALPC 9000 Series

#### Description

The Automated Laboratory Particle Counter ALPC 9000 is a fully automatic laboratory particle measurement system for hydraulic and lubrication oils.

Very short measuring times permit analysis of up to 500 samples per day.

Different versions of the ALPC offer either automatic sample feed by means of 5-axis robotic arm (batch processing) or manual sample feed of individual sample bottles.

#### **Applications**

Laboratories

## Advantages

- Automatic and monitored processing of measurement and rinsing cycles.
- Rapid sample analysis due to very short cycle times for measurement and rinsing.
- Excellent repeatability of the measurement results by means of replicated testing.
- Only small sample quantities are required (≈ 50 ml).
- User-friendly operation and graphical evaluation of the results through the use of ALPC Desk software.
- Calibrated to ISO11171 and ISO4402: consequently analysis according to NAS 1638 is also
- "All-in-one" system including PC, keyboard and monitor. Robotic arm available as an option.
- Bar code scanner compatible.

#### Technical specifications

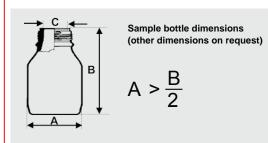
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#### **Equipment**

Equipment				
	ALPC 9000-1	ALPC 9000-2		
Automatic measurement	~	•		
Automatic rinsing	·	•		
PC/Monitor/Keyboard	·	•		
Individual sample bottle feed	~	~		
Multiple sample feed of up to 50 samples on pallet		•		
Sample bottle shaker		•		
5-axis robotic arm		~		
ALPC Desk software	~	•		
Degassing function incorporated into robotic arm		•		
Prepared for upgrade to ALPC 9000-2	~			
Bar code scanner compatible	~	~		



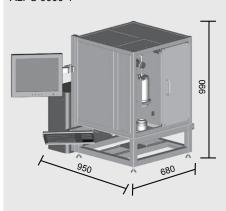
Α	В	С	ALPC 9000-1	ALPC 9000-2
< 52 mm	60 90 mm	25 35 mm		~
< 75 mm	60 90 mm	25 35 mm	~	

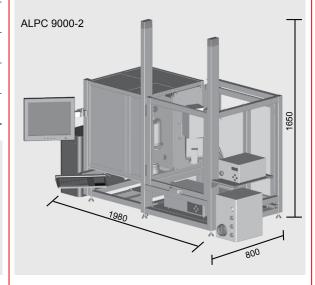
## Services required on site \*

- Supply voltage
- Dry, clean compressed air (see Page 1)
- Rinsing fluid: Mineral oil based fluids with flash point ≥ 56 °C (preferably kerosene). Cleanliness must be significantly better (by a factor of 2-3) than the expected sample cleanliness
- Reservoir for rinsing and waste fluids (min. 2 x 10 l)
- \* not supplied

#### **Dimensions** (all dimensions approximate in mm)

ALPC 9000-1





# **PC Software ALPC Desk**

User-friendly processing and display of the measured data using ALPC Desk software

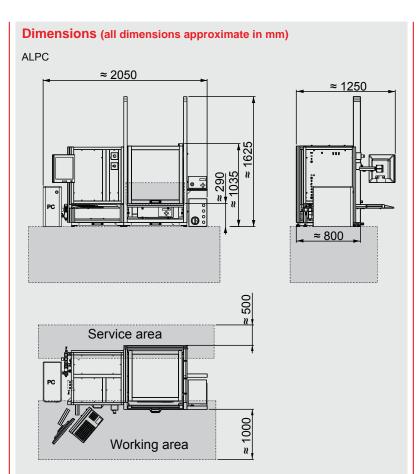


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#### Items supplied

- ALPC 9000-1 / 9000-2
- ALPC 9000-2 only: sample bottle shaker, robotic arm with transparent Makrolon® safety enclosure
- PC, 19" TFT monitor, keyboard with touchpad
- Software ALPC Desk installed on PC and on CD-ROM
- Calibration certificate
- Operating manual
- Service documentation installed on PC and on CD-ROM

# Model code ALPC 9000 1 M W7 DE ALPC = Automatic Laboratory Particle Counter Series 9000 Sample feed 1= manual 2= automatic Supply voltage — M = 230 VAC, 50 / 60 Hz Other voltage on request PC operating system -W7 = Windows 7 (32-Bit) Keyboard BE = Belgium CH = Switzerland DE = Germany DK = Denmark ES = Spain FR = France GB = England IT = Italy NO = Norway PO = Portugal SF = Sweden, Finland US = USA

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