

Bottle Sampling Unit ▪ Typ Bottle-Sampler-LasPaC-II



Bottle Sampling Unit 110 ml and Accessories



Bottle Sampling Unit 110 ml



Bottle Sampling Unit 500 ml

Product Description

Analysis Everywhere - Bottle Sampling Unit

If a direct particle count on your system is not possible, the LasPaC-II bottle sampler units allow you to take measurement samples for analysis at a later time.

Conditioning - The De-aeration Facility

A highly aerated fluid may lead to inaccurate results; therefore a de-aeration process has been incorporated into the bottle sampling units.

By evacuating the air from the sampling chamber, aeration within the fluid is removed, and the fluid is properly conditioned prior to sampling.

Your Choice - 110 ml or 500 ml Size

STAUFF offers two sizes of bottle sampling units for the LasPaC-II devices: the 110 ml and the 500 ml units.

The 110 ml unit is supplied in an extra case including various accessories such as power supply, sampling hoses, pressure hoses, bottles (sample and waste) and adaptors. It is designed for mobile applications and is only compatible with Mineral Oil and Petroleum based fluids.

The standard version of the 500 ml unit is compatible with Mineral Oil and Petroleum based fluids; a Phosphate Ester (e.g. Skydrol®) compatible version of the 500 ml unit is available on request. Please contact STAUFF for details.

The 500 ml bottle sampling unit is delivered with the required power supply.

Please note that the moisture / temperature sensor does not work in combination with bottle sampler devices.

Order Codes



①

②

③

① Bottle Sampling Unit

Bottle Sampling Unit **Bottle-Sampler**

② Type and Series

Laser Particle Counter **LasPaC-II**

③ Unit

110 ml Bottle Sampling Unit suitable for Mineral Oil and Petroleum based fluids only	110-M
500 ml Bottle Sampling Unit suitable for Mineral Oil and Specific Water Glycol fluids, Petroleum based fluids only	500-M/G
500 ml Bottle Sampling Unit suitable Phosphate Ester (e.g. Skydrol®)	500-E



Moisture / Temperature Sensor

Product Description

More Oil Analysis - Oil Saturation and Temperature

In Mineral Oils and non-aqueous fire resistant fluids, water is undesirable. Once the water exceeds a saturation level (about 500 ppm for Mineral Oils) the fluid starts to appear hazy. Above this level there is a danger of free water accumulating in the system. This can lead to corrosion and accelerated wear.

As an option, all LasPaC-II devices provide accurate and repeatable measurement of the saturation level of water in oil with the moisture / temperature sensor. The sensor is located internally in a specially designed housing and is positioned in the low pressure constant flow line.

Additional Information - Oil Temperature Readings

Beside the saturation level the optional moisture / temperature sensor of the LasPaC-II units has the ability to measure the fluid temperature. This allows to provide a reference temperature for the RH (relative humidity / % saturation of water in oil) readings.

Both results, RH % and °C, are displayed on the main / test progress screen and on the printed analysis.

Please note: Due to the temperature gradient existing between the system tapping point and the RH / temperature module, the temperature reading can be 5° to 10° less than the actual system temperature, depending on operating conditions. The moisture / temperature sensor is not suitable for bottle sampling.

Saturation Levels

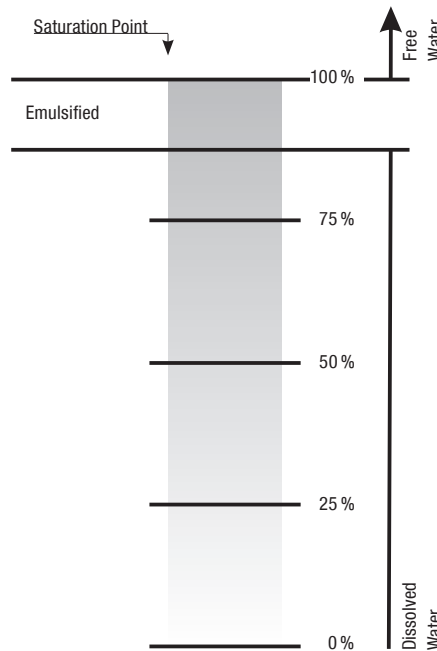
Since the effects of free (also emulsified) water are more harmful than those of dissolved water, water levels should remain always well below the saturation point.

However, even water in solution can cause damage, and therefore every reasonable effort should be made to keep saturation levels as low as possible.

There is no such thing as too little water. As a guideline, we recommend maintaining saturation levels below 50 % in all equipment.

Different oils have different saturation levels, and % saturation is the best and most practical measurement.

These results can be converted to ppm (parts per million), if the oil type saturation / temperature characteristic is known.



Laser Particle Counter - Accessories



Order Codes

Accessories / Spare Parts

①

① Type of Accessories / Spare Parts

Waste hose 2 m / 6.56 ft	Hose-LasPaC-II-Waste-2m
Pressure hose 1,5 m / 4.92 ft	SMS-20-1500-A-W3
110 ml certified clean bottle (5 pieces)	Set-Bottle-LasPaC-II-110-C
250 ml certified clean bottle (5 pieces)	Set-Bottle-LasPaC-II-250-C
110 ml glass sample bottle (5 pieces)	Set-Bottle-LasPaC-II-110
250 ml glass sample bottle (5 pieces)	Set-Bottle-LasPaC-II-250
500 ml glass sample bottle (5 pieces)	Set-Bottle-LasPaC-II-500
Printer paper LasPaC-II-P (5 pieces)	Set-Paper-LasPaC-II-Printer
RS 232 to USB converter	Adaptor-PPC-04/12-RS232-to-USB-CAB
Screen filter	Screen-Filter-LasPaC-II

Product Description: Screen Filter

An optional Screen Filter is available for heavily contaminated systems. The filter device is assembled directly to the supply line and allows particle counts in ambient conditions where normally the contamination is too high for a reliable test.

The Stainless Steel Filter has a mesh of 500 µm and is cleanable.

