C

Laser Particle Counter ▪ Type LasPaC-II-M (Mobile)

LasPaC-II-M with integrated battery (standard option)

LasPaC-II-M also available without integrated battery

Product Description

The LasPaC-II-M is a highly accurate laser particle counter. With a competitive price, the LasPaC-II-M is the best compromise between lower cost and briliant accuracy/reliability.

Features

Versatile - Lightweight and Convenient
The LasPaC-II-M (Mobile) is designed for applications where it is necessary to have a small, light and robust service unit.

Low Cost - Same Functions for a Budget Price
Without losing the quality in measurement accuracy, reliability and repeatability the LasPaC-II-M is a cost effective alternative to the fully equipped LasPaC-II-P.

Options

- Moisture / Temperature Sensor
  This sensor measures the moisture content of the test fluids (displayed as relative humidity in RH %) and also indicates the current fluid temperature (in °C).
  For further information please see on page 67.
- Phosphate Ester (e.g. Skydrol®) or specific Water Glycol fluids units on request
- LasPaC-II-M also available without integrated battery

Order Codes

LasPaC-II - M - M - O - B
① ② ③ ④ ⑤

① Type and Series

Laser Particle Counter	**LasPaC-II**

② Version

Mobile	**M**

③ Fluid Compatibility

Mineral Oil, Petroleum based fluids (standard option)	**M**
Phosphate Ester (e.g. Skydrol®)	**E**
Specific Water Glycol fluids	**G**

④ Moisture/ Temperature Sensor

Without moisture/ temperature sensor	**O**
With moisture/ temperature sensor	**W**

Please note: The moisture/ temperature sensor is not suitable for Phosphate Ester (e.g. Skydrol®) and Water Glycol fluids.

⑤ Battery

With internal rechargeable battery (standard option)	**B**
Without internal rechargeable battery	**O**

Laser Particle Counter ▪ Type LasPaC-II-M (Mobile)

LasPaC-II-M with small Bottle Sampler

Display and Buttons

Technical Data

Dimensions and Weight
- L/W/H: 340 x 295 x 152 mm / 13.40 x 11.61 x 5.98 in
- Weight: 4,75 kg / 10.47 lbs

Power Supply
- Voltage range: 110 ... 240 V AC, 12 ... 24 V DC
- European, UK and US power plug adaptors included
- Number of tests before recharging is required: 60

Calibration
- Calibration: ISO Medium Test Dust (MTD) according to ISO 11 171:1999
- Analysis range: ISO 8-24, ISO 4406 Code, NAS 1638 Code 2-12, SAE AS 4059 Code 2-12

Pressure / Viscosity
- Pressure range: 2 ... 400 bar / 29 ... 5801 PSI
- Viscosity range: 1 ... 400 cSt

Laser Sensors
- High accuracy laser: 4 ... 6 µm(c)
- Standard accuracy laser: 6 ... 68 µm(c)
- Measured channels: 4, 6, 14, 21, 25, 38, 50, 68 µm(c)
- The orifice of the sensor has a cross section of 0,9 x 0,9 mm / .04 x .04 in
- The maximum concentration is ISO 4406 Code 24 (160.000 p/ml)

Accessories
- Bottle Sampling Unit 110 ml (for Mineral Oil and Petroleum based fluids)
- Bottle Sampling Unit 500 ml (for Mineral Oil and Petroleum based fluids)
- Bottle Sampling Unit 500 ml (Version E) (for Phosphate Ester (e.g. Skydrol®) available on request) For further information please see on page 66.
- Screen filter: 500 µm (see on page 67)

Hose Connections
- Test coupling STAUFF Test 20 or comparable (M16 x 2)

Sample Volume
- 8 ml (short)
- 15 ml (normal)
- 30 ml (dynamic)
- 24 ml (bottle sampler)
- 15 ml (continuous)

Permissible Temperature
- Operating: +5 °C ... +80 °C / +41 °F ...+176 °F

Data Output
- Cumulative particle counts, as well as cleanliness classes according to ISO 4406 (1999) / SAE AS 4059 Rev.D (2001) and ISO 4406 (1191) / NAS 1638 (1964)

Max. Concentration
- ISO 24

Data Storage
- 600 tests

Fluid Compatibility
- Mineral Oil, Petroleum based fluids
- Phosphate Ester and Water Glycol compatible devices on request

Computer Interface
- RS-232 communication port as standard
- USB adaptors included

Software
- Downloading and storage of the data with included “LasPaC-II View” software. Further processing with Microsoft Excel® possible.

Internal Rechargeable Battery
- Standard option with internal rechargeable battery