

Hydrau**vision**



HydrauTool PC PAMAS S40 GO Particle counter

Technical Specification

Max. inlet pressure	: 0 - 7 bar (low-pressure connector)
Max. inlet pressure	: 4 - 420 bar (high-pressure connector)
Max. outlet pressure	: 0 - 0,5 bar
Range input flow	: 25 ml/min. (viscosity dependant)
Operational temperature	: 5 to +40 °C
Hydraulic fluid	: The FCU may only be used with mineral oils or mineral oil-based raffinates.
Fluid viscosity range	: 10 to 200 sampling; 350 mm2/s (cSt) pressurized
Hydr. fluid temperature range	: 10 to +60 °C
Measured values for solid	: ISO code / SAE class / NAS class particle contamination
Temperature	
Measurement range	: Display ISO 4406, SAE AS 4059 E, NAS 1638, GJB 420A, GOST 17216 Calibrated according to ISO 4402 / ISO 11171
Storage	: more than 4000 measurements
Overall length	: 300 mm (in open position)
Overall width	: 140 mm (in open position)
Overall height	: 300 mm (in open position)
Total weight excl. fluids	: ≈ 9kg
Relative humidity	: max. 70%, non-condensing
Power supply	: 10-36 VDC for mobile 100VAC - 240VAC from net
Detailed specifications	: on request

Benefits

- Calibrated particle counter
- Integrated pump for the automatic control of oil flow
- Key pad and a graphical LC-Display with a resistive touch screen
- Hardcopies of measurement results with built in printer and download Software
- Built-in battery for up to 3h operation

Scope of Supply

Included:

- Suction hose DN4, open-end, color: clear-transparent, Length = 0.3 m
- Inlet high-pressure hose DN4 with screw connection for test point 1620, color: black, Length = 2 m
- Outlet return hose DN7 with DIN 2353 "Ermeto"-6L connection, open-end, color: clear-transparent, Length = 1 m
- User manual

Excluded:

- Transport

Above mentioned items can be included on request.

The HydrauTool PC PAMAS S40 is a portable service unit for hydraulic systems for intermittent measurement of the particulate contamination, the moisture content in % saturation and the temperature of the fluid.

The integral pump and hoses supplied can be used on:

- Control circuits
- Pressure circuits
- non-pressurized tanks

Applications for the S40 include the servicing and repair of mobile hydraulic systems.

The unit and integrated printer provide results according to many international standards including: SAE AS4059, ISO 4406, NAS 1638, GJB 420A & GOST 17216.

The S40 unit has a battery that provides up to 3 hours of operational time and a built in memory capable of storing data of more than 4000 measurements.

Applicable for hydraulic fluids (up to ISO VG 68)

10 ... 200 mm²/s

Calibration Ranges:

4-70µm according to ISO 11171 & 2-100µm

according to ISO 4402.

