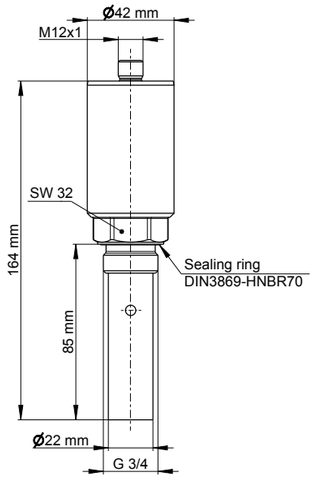
HySense® CV 100

The **HySense® CV 100** is a high intelligence sensor that measures the following oil condition parameters: viscosity, relative permittivity, and temperature. After a calibration phase, this sensor can evaluate an oil's condition and output it based on implemented condition algorithms. Moreover, the corresponding analysis application that is implemented in MultiSystem measuring devices makes it enormously easier to operate and use the sensors. Finally, the intuitive menu navigation and the stored oil database both make it easy to quickly acquire, visualize, evaluate, and store oil condition parameters.

Advantages when combined with MultiSystem measuring devices.

- Database for storing data for specific systems and measuring points
- Access to an integrated oil database
- The ability to define limits
- The ability to visualize conditions with a traffic light pattern
- The ability to store readings
- The ability to display histories
- The ability to export readings via USB
- Report template



Sensor	Part No.
HySense® CV 100	3402-CV10-G926C0-000 Product discontinued
Screw-in block	3109-20-05.01

General characteristics	
Fluid	Mineral oils (H, HL, HLP, HLPD, HVLP), synthetic esters (HETG, HEPG, HEES, HEPR), polyalkylene glycols (PAG), zinc-free ash-free fluids (ZAF), polyalphaolefins (PAO)*
Measured variables	Viscosity, rel. permittivity, temperature
Interfaces	RS-232, CANopen, 4 … 20 mA
Electrical connector	M12 A 8p m
Max. operating pressure	50 bar
IP degree of protection	IP67 (DIN EN 60529)
Operating temperature	-20 … 85 °C
Seal material	HNBR

Measured variable	Measuring range	Measuring accuracy
Rel. permittivity	1 … 7	±0.02
Viscosity	8 … 400 mm²/s	±5 mm²/s @ (8 … 100 mm²/s) ±5% @ (100 … 400 mm²/s)
Temperature	-20 … 85 °C	±0.5 °C

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