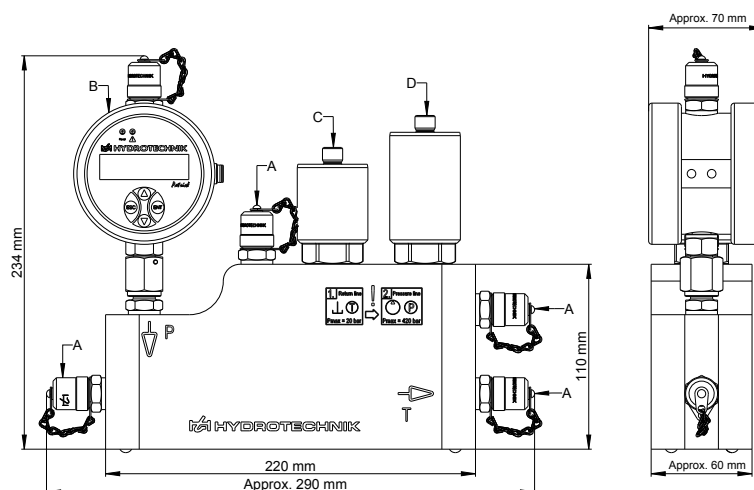


HySense® CX 197

The **HySense® CX 197** service measuring kit combines all the oil condition sensors needed for a professional and fast oil condition analysis. As a result of its heavy-duty construction and compact design, combined with **MINIMESS®** adapters that make setup an absolute breeze, this kit is a perfect fit for mobile use. 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.



| | |
|---|----------------------------------|
| A | MINIMESS® 1620 series test point |
| B | HySense® Patrick |
| C | HySense® CM 100 |
| D | HySense® CV 100 |



| 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 | Number of particles, viscosity, rel. humidity, rel. permittivity, conductivity, temperature |
| Interfaces | RS-232, CANopen, 4 ... 20 mA |
| Electrical connector | M12 A 8p m |
| Max. operating pressure | 45 bar |
| IP degree of protection | IP67 (DIN EN 60529) |
| Operating temperature | -20 ... 85 °C |
| Seal material | HNBR |

| Measured variable | Measuring range | Measuring accuracy |
|---------------------------|------------------------------------|--|
| Viscosity | 8 ... 400 mm ² /s | ±5 mm ² /s @ (8 ... 100 mm ² /s) ±5% @ (100 ... 400 mm ² /s) |
| Rel. permittivity | 1 ... 7 | ±0.02 |
| Rel. humidity | 0 ... 100% r.H. | ±3% r.H. @ (10 ... 90%) ±5% r.H. @ (< 10%, > 90%) |
| Conductivity | 100 ... 800,000 pS/m | < ±10% @ (2000 ... 800,000 pS/m) ±200 pS/m @ (100 ... 2000 pS/m) |
| Temperature | -20 ... 85 °C | ±0.5 °C |
| ISO 4406:99 particle code | 6 ... 24 10 ... 22 (calibrated) | ±1 (ordinal number) |

| Sensor | Part No. |
|-----------------|--------------------|
| HySense® CX 197 | 3402-CX10-D100-000 |