

Starter Kit #4 - CSM-Economy IoT Package IoT & Electronic Integration

- Compatible with:



Features and Benefits

- Ideal system for counting out the solid particle contamination and water saturation in a fluid, independent of the overall hydraulic system
- All sensors are wired and plumbing is complete
- Modular system for tanks and pressure lines in lubrication systems and testing facilities
- Air bubble suppression
- Economic base module



Part of the Schroeder Industries 2030 Initiative

Description

The Starter Kit #4 allows users to continuously monitor the condition of highly viscous and/or aerated fluids, as well as pressurized and unpressurized systems. Furthermore, this package allows users to analyze and transfer sensor data real time using the FluMoS Mobile Android™ application via WiFi, or on the CSI-C-11 web server via LAN connection. This plug-and-play starter kit is easily integrated into higher control networks such as PLCs, supervisory control and data acquisition (SCADA) platforms, and distribution control systems (DCS).

In The Kits

CSM-Economy

- CS1220 - Measure particle contamination per ISO 4406: 1999 and SAE 4059 (D)
- Manifold mounted with pressure-compensated flow control valve
- AS1008 - Measure relative water content as percent saturation
- CSI-C-11 - Acquire, transfer and manage measurement data from CS1220 and AS1008 sensor
- This is a complete package. All sensors are wired and plumbing is complete.

PS5 Power Supply

- 115V AC / 24V DC

72" Hydraulic Hoses

- with NPT connections for suction line and JIC connections for discharge line

ZBE-45-08 Ethernet Patch Cable

- 5 meter, M12x1 (4-pole) x RJ45

Optional Accessories:

Assembly Kit CSM-E: PN 3942869
0-60 BAR Pressure Gauge Kit: PN 3942792

System Requirements

Minimum Inlet Pressure	From 0 psi (pressureless) - 100 psi reservoirs
Minimum Flow Rate	0.03-0.07 gpm (100-250 mL/min)
Permissible Viscosity Range	32-4,635 SUS (1-1,000 cSt)
Permissible Fluid Temperature	32-185°F (0-85°C)
Permissible Fluid Type	Mineral-based oils [C/F for other fluid compatibility]
Mounting Configuration	Vertical orientation with direction of flow South-to-North through manifold

Model Selection

How to Build a Valid Model Number for a Local Data Display Starter Kit #4:

Example: NOTE: One option per box

