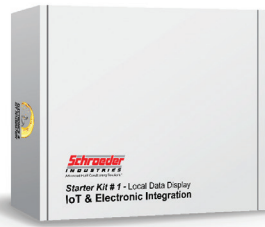


# Starter Kit #1 - Local Data Display IoT & Electronic Integration

**IoT**



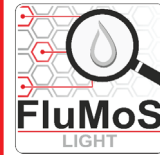
## Features and Benefits

- Provides Local Visibility to the Fluid Condition of Critical Systems
- The compact design allows for installations with tight space constraints
- Rugged design for field use
- Viton® seals
- Fluid viscosities up to 1000 cSt
- Flow control valve providing optimal pressure for accurate sensor readings



Part of the Schroeder Industries 2030 Initiative

- Compatible with:



IoT Kits  
CS1000  
CS1939  
HY  
CSM-E  
FCU  
Total Fluid Life  
Total Fluid Health  
MCS  
EY-1356  
AS1000  
AS3000  
HLB 1400  
EDS 3400  
EDS 8000  
HDA 4300

The Starter Kit #1 allows users to visually assess real-time fluid condition for predictive maintenance. 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).

## Description

### TCM-FC

- Measures particle contamination per ISO 4406: 1999 and SAE 4059(D) on CS 1000
- Manifold mounted with pressure-compensated flow control valve and 1620 test point fitting (test points included)

### Microbore Hoses

- **Two** 0.9 meter microbore hoses 1620 connectors

### Sensor Cable

- **One** M12x1, meter sensor cable (one (1) 5-pole with flying lead)

### TCM-FC-W

- Includes everything in TCM-FC with the additional content below:
- Measure fluid temperature and relative water content as percent saturation on AS1008 (no display)

### Sensor Cable

- **One** M12x1, meter sensor cable (one (1) 5-pole with flying lead)

### TCM-FC-WD

- Includes everything in TCM-FC with the additional content below:
- Measures fluid temperature and relative water content as percent saturation on AS3008 (built-in display)

### Sensor Cable

- **One** M12x1, meter sensor cable (one (1) 5-pole with flying lead)

## In The Kits

Minimum Inlet Pressure 125 psi (8.6 bar)

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

## System Requirements

## How to Build a Valid Model Number for a Local Data Display Starter Kit #1:

BOX 1 BOX 2  
TCM-FC - [ ]

Example: NOTE: One option per box

BOX 1 BOX 2  
TCM-FC - WD = TCM-FC-WD

BOX 1

### Starter Kit

TCM-FC = Contamination Sensor On Manifold

BOX 2

### Water Sensor Option

W = Water Sensor

WD = Water Sensor with Display

N/A = None

## Model Selection