TestMate® Contamination Monitor for BioDiesel

Don't let the size of Schroeder's TestMate Contamination Monitor (TCM) fool you! It is among the newest generation of particle monitors that continuously measure solid contamination in fluid.
Enclosed in a 4 inch diameter case, the TCM utilizes an optical sensor and measures particles in four sizes: >4, >6, >14 and >21 microns.

Measuring Range:	Display ISO ranges between 28/27/26 and 9/8/7 Calibration within the range ISO 13/11/10 to 23/21/18
Self-Diagnosis:	Continuously with error indication via status LED
Connections:	Inlet: ISO 228 G1/4 Threaded Outlet: ISO 228 G1/4 Threaded
Sensor Flow Rate:	30 to 300 ml/min
Permissible Viscosity Range:	0 to 4635 SUS (1 to 1,000 cSt)
Fluid Temperature Range:	32° to 185°F (0° to 85°C)
Power Supply Voltage:	9 to 36 VDC residual ripple <10%
Power Consumption:	3 WATT max.
Electrical Outputs:	4 to 20mA Analog; 0 to 10V Analog (option) RS485 for communication with CoCos 1000 software
Electrical Specifications:	4 to 20mA Analog output (max. burden 300Ω); 0 to 10 V output (min. load resistor 820Ω) Limit switching output (Power MOSFET): max. current 1.5A
Ambient Temperature Range:	-22° to 176° F (-30° to 80° C)
Storage Temperature Range:	-40° to 176° F (-40° to 80° C)
Relative Humidity:	max. 95%, non-condensing
Seal Material:	Mineral Oil: FPM; Phosphate Ester: EPDM, Biofuels: Viton®
Electrical Safety Class:	III (low voltage protection)
IP Class:	IP67
Weight:	2.9 lbs (1.3 kg)

How to Build a Valid Model Number for a Schroeder TCM:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5
TCM				

Example: *NOTE: One option per box*

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	
TCM	D	H	A		= TCMDHA

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5
Model	**Display**	**Fluid**	**Signal Technology**	**Option**
TCM	D Display X no display	H Viton® Seals	A 4-20 mA V 0-10 V	Omit Std in-line M Flange

FEATURES

- Manifold will have pressure compensated flow control and orifices for flow conditioning
- Allows installation in only minutes
- Compensates for varying pressures, flow rate, and viscosities
- Customer to supply power (9-36 VDC) and pressure (200 psi (13.8 bar) or greater)

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