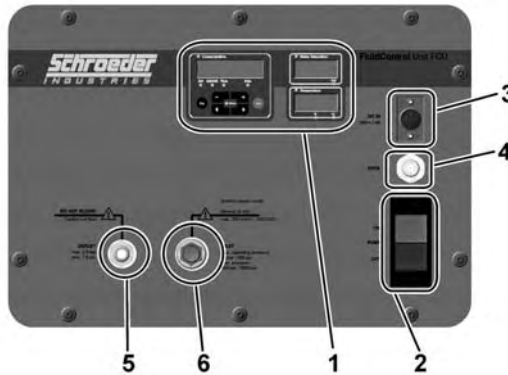


TestMate® Series

TMU TestMate® Monitoring Unit

- 1 = Display and Keyboard
- 2 = Pump On/Off Switch
- 3 = Power Supply Connector 24 VDC
- 4 = Data Interface (DATA)
- 5 = Outlet Port
- 6 = Inlet Port



Description

The TestMate® Monitoring Unit TMU series combines the advantages of the portable contamination measurement units with the measurement technology of the Testmate® Contamination Monitor (TCM) and TWS (Testmate® Water Sensor).

The TMU is a portable service unit and is designed for temporary measurement of solid particle contamination and water saturation in hydraulic systems.

The integrated pump and the hoses with test point connections, which are included with the TMU, allow operation on reservoirs, control circuits, and high pressure circuits.

Features

- Particulate contamination is detected with an optical measurement cell
- Automatic measurement and display of cleanliness ratings as ISO 4406:1999; SAE AS 4059, and NAS 1638
- Measurement Accuracy +/- 1/2 ISO code
- Supply voltage 24 VDC
- Integrated pump for automatic control of oil flow
- Viscosity range: 46 to 1622 SUS (10 to 350 cSt)
- Pressure stable up to 5000 psi (350 bar) max
- Water saturation (10 - 100%)

Applications

- Hydraulic systems
- Service for mobile hydraulics
- Maintenance

General Data:	Self-Diagnosis: Continuously with error indication via status LED and display
	Measured Value: ISO code / SAE Class / NAS Class / Saturation level / Temperature
	Measuring Range: Display from ISO code 9/8/7 (MIN) to ISO code 25/24/23 (MAX) Calibrated within the range ISO 13/11/10 to 23/21/18 Saturation level 0 to 100 % / Temperature -13°F to 212°F (-25°C to 100°C)
	Accuracy: ± 1/2 ISO class in the calibrated range / ± 2 % Full scale max.
	Material of Sealings: FPM Viton seals
	Ambient Temperature Range: 32°F to 113°F (0°C to +45°C)
	Storage Temperature Range: -40°F to 176°F (-40°C to +80°C)
	IP Class: IP50 in operation IP67 closed
	Weight: Approx. 29 lbs (13 kg)
Hydraulic Data:	Operating Pressure: IN: -7.25 to 650 psi (-0.5 to 45 bar) OUT: 0 to 7.5 psi (0 to 0.5 bar)
	with Adapter for Pressure Lines: IN: 217 to 5000 psi (15 to 345 bar) OUT: 0 to 7.5 psi (0 to 0.5 bar)
	Pressure Max.: 5000 psi (345 bar)
	Maximum Suction Height: 39 in (1 m)
	Permissible Viscosity Range: 46 to 1622 SUS 10 to 350 cSt
	Fluid Temperature Range: 32°F to 158°F (0°C to +70°C)
Electrical Data:	Power Supply Voltage: 24 VDC ± 20%, residual ripple < 10%
	Max. Power / Current Consumption: 100 Watt / 4 A
	Interface: Plug connection, 5-pole, male, M12x1

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

BOX 1	BOX 2	BOX 3
TMU	-	-

Example: NOTE: One option per box

BOX 1	BOX 2	BOX 3
TMU	- 1	- K

BOX 1	BOX 2	BOX 3
Model	Contamination Code	Power Supply Adapter
TMU	1 = ISO 4406:1999; SAE AS 4059/ > 4 µm(c) > 6 µm(c) > 14 µm(c) > 21 µm(c)	K = 100-240 VAC / 50/60 Hz / 1 Phase (Europe, USA/Canada, UK, Australia, Japan)

Preferred order codes designate shorter lead times and faster delivery.

We do not guarantee the accuracy or completeness of this information. The information is based on average working conditions. For exceptional operating conditions, please contact our technical department. All details are subject to technical changes.

Items supplied with TMU-1-K include:

- TestMate® Monitoring Unit
- Power supply AC adapter with connecting cables to supply voltage for Europe, USA/Canada, UK, Australia, & Japan
- Adapter for pressure lines
- Inlet pressure hose with screw connection for 1620 test point, length = 2 meters (approx. 79 inches)
- Inlet suction hose, clear, open end, length = 0.3 meters (approx. 12 inches) in length
- Outlet return hose, open end, clear, length = 1 meter (approx. 39 inches) in length
- Operation Manual & Calibration Certificate
- FluMos Software
- USB Flash Drive

Specifications

- TCM
- TCM-FC
- TMU**
- TPM
- TIM
- CTU
- TWS-C
- ET-100-6
- HMG 3000
- EWC
- EPK
- HTB
- GS
- Trouble Check Plus
- Test Points
- Adapters
- Hose Joiners
- Microflex Hose
- Pressure Limiters
- Pressure Gauges
- Test Kits
- Probalizer
- Filtration Station
- MFS, MFD
- AMS, AMD
- KLS, KLD
- AKS, AKD
- KLC
- X Series
- MTS
- HFS
- SVD
- TDS
- IXU
- Appendix

Model Number Selection