

TRM Sensors LLC Data Sheet

TRM Sensor-to-Current Adapter

Product Description

TRM Sensor-to-Current Adapter is DIN rail mounted adapter designed to allow TRM's resistance based leak detection sensor probes to monitoring equipment that requires 4-20 mA input signals.

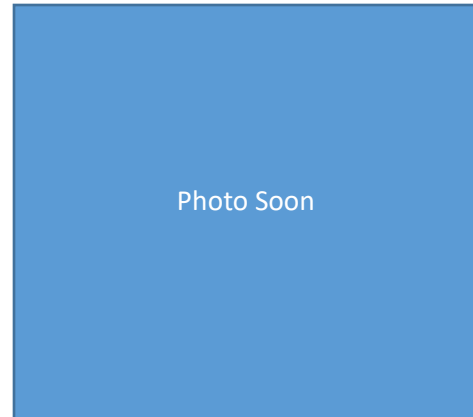
The **Adapter** is designed to be installed near the user's monitoring instrument. The adapter can accommodate fuel and oil sensors such as TRM-DFS-3, TRM-IOS and TRM-CC as well as water/coolant sensors like TRM-WLS and TRM-HX.

The 4-20 mA signal is used to communicate sensor status: NORMAL, DISCONNECTED, LEAK DETECTED, etc. The actual output levels used to signal status depend on the type of sensor being monitored, but in all cases are sufficiently distinct to allow the user's instrument to define alarm threshold in terms of 4-20 current level.

The TRM Sensor-to-Current Adapter operates on 24 Vdc. The output current signal is a single wire current source and can tolerate a loop resistance (including input impedance and connection resistance) of up to 1000 ohms between the current signal and voltage supply ground.

Key Features

- DIN rail mounted resistance probe -to 4-20 mA signal adapter
- Operates on 24
- Allows TRM-DFS-3; TRM-IOS, TRM-CC, TRM-IOS and TRM-HX to be monitored by equipment that requires a 4-20 mA input
- Large output current swings allow users to define reliable alarm thresholds on their monitoring equipment



Product Specifications

- Operating Voltage: 24 Vdc
- Active 4-20 mA source as output
- Maximum loop resistance of 1000 ohms between current output and voltage supply ground.
- DIN rail mount
- Dimensions including DIN rail clip : width 20 mm; height 50 mm; depth 80 mm
- Connects TRM probe types:
 - TRM-DFS-3
 - TRM-IOS
 - TRM-CC
 - TRM-WLS
 - TRM-HX
- Output current varies by probe type and sensor status (see table)
- Operating Temperature: -13°F to 131°F (-25°C to +55°C)
- Relative Humidity 5% to 95%, non-condensing

Current Output Table:

Sensor	Normal	Break	Leak Detected
TRM-DFS-3			
TRM-IOS			
TRM-CC			
TRM-WLS			
TRM-HX			