# OIL COP FLUID MANAGEMENT SYSTEM COMPONENTS

Remote LED Display (RED)

P/N **100905**

The Remote LED Display (RED) provides excellent visibility from a distance via brightly lit 2¼" tall digits, while still providing a compact , easily installed package, with overall dimensions of 10"W x 5"H x 2½"D. The primary purpose of the Remote LED Display (RED) is to display the on-going batch total amount during a dispense operation. The Remote LED Display (RED) can operate wirelessly or can be hardwired via a simple two conductor cable if preferred.
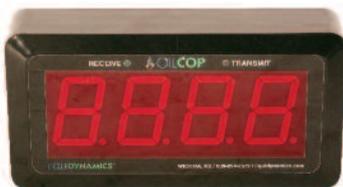
Pulser/Solenoid Module (PSM)

P/N **100715G** (WITH BYPASS CAPABILITY)

The Pulser/Solenoid Module (PSM) is a unique combination of products that is designed to simplify installation and significantly improve reliability. The PSM provides one simple product in what is typically sold and installed as three separate items i.e. 24 VDC solenoid valve to start and stop fluid flow, a metering pulser that provides flow measurement information and an inlet filter screen to protect the metering pulser and solenoid valve from foreign material damage. In addition, the PSM provides a simple and convenient electrical connection interface for 24 V power and metering pulse data output via a simple 4 conductor cable. A single 1/2" NPTF inlet and outlet connection to the PSM replaces the typical six connections in competitor installations. This provides not only faster installation, but also greatly reduces possibilities of leaks by reducing the number of fluid connections from six connections to two.

Pulser accuracy is +/- 0.5% with a maximum flow of 7.9 GPM and viscosity range of 9 – 3,000 cSt. Maximum operating pressure is 1,000 PSI, inlet filter/strainer is 150 micron.

An additional unique feature of this Pulser/Solenoid Module (PSM) is the built in bypass capability that allows the PSM to be bypassed in cases of emergency. This bypass is normally in the closed position and security sealed in place, but can be quickly opened by cutting the wire seal and opening the valve to allow manual dispensing operation if necessary. The security seal provides tamper evidence indicating that the bypass has been opened.

Pulser/Solenoid Module (PSM)

P/N **100715** (WITHOUT BYPASS CAPABILITY)

This Pulser/Solenoid Module is the same as P/N 100715G but does not include the bypass feature for applications where bypass capability is not desirable. Solenoid is 24 VDC and Pulser accuracy is +/- 0.5% with a maximum flow of 7.9 GPM and viscosity range of 9 – 3,000 cSt. Maximum operating pressure is 1,000 PSI, inlet filter/strainer is 150 micron.

Transaction Printer (TRP)

P/N **100906A** WIRELESS PRINTER

P/N **100906B** HARDWIRE PRINTER

Oil Cop and Oil Cop Junior transaction details can be easily printed either locally or remotely using the Transaction Printer (TRP). Two versions of this printer are available, one is for use wirelessly for applications where the printer needs to be located remotely and the other is designed to be connected directly to the Oil Cop Technicians Console or the Oil Cop Junior Console.

Both printers print out transaction details upon completion of a transaction and may include;

Date: Date of transaction
Time: Time of transaction
W/O: Work order number
Name: Name of technician
Product: Product designation, i.e.; 10W/30
Amount: Amount dispensed
Top Off: Amount of top off, if any

Example of paper tape.

2 Conductor Cable (per foot)

P/N **100710-XX**

This 2 strand, 18 gauge, wire cable is used to connect any of the Oil Cop and Oil Cop Junior Modules if Wireless communication is not desired or practical. Sold by the foot or rolls of 100 meter/328 ft.

4 Conductor Cable (per foot)

P/N **100709-XX**

Hard wire connection between the Oil Cop Fluid Command Module (FCM) or Oil Cop Junior Console (JRC) and the Pulser/Solenoid Module (PSM) is done with this 4 strand, 18 gauge, wire cable. This cable provides 24 VDC power to the solenoids as well as metering information from the pulsers. Sold by the foot or 100 meter/328 ft. rolls.