Installation Manual

FluidMatics Dirt Gauge Oil Monitoring System

**Permanent Wall Mount Unit
Portable Hand-carry Unit**

UNIT INCLUDES:

- FluidMatics Dirt Gauge Oil Monitoring System
- Keyboard
- Plug-in Power Cord
- Installation Manual

CUSTOMER SUPPORT:

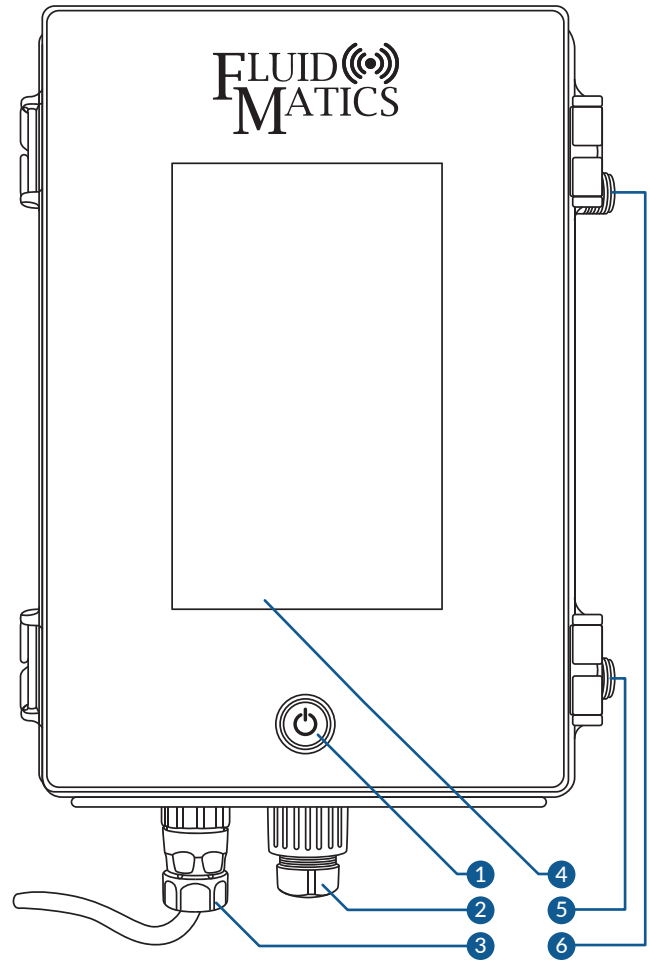**Email**
info@fluidmatics.net

Web
www.fluidmatics.net

INSTALLATION WARNINGS:

- You MUST use a 100 mesh suction screen (NOT included) on suction side of unit.
- **The Warranty will VOID if you fail to use a 100 mesh screen on the suction side.**
- Do NOT run oil backwards through the return side.
- Once the system is setup you'll need to set the ISO code parameters in the software on the unit under 'Settings', to the manufacturer's recommendations for your specific equipment/component.

DISCLAIMER:

The Dirt Gauge Oil Monitoring System does **NOT** replace the need for periodic oil sample testing. It is still highly recommended that oil samples are collected and sent off to a qualified lab for testing.

FLUIDMATICS DIRT GAUGE SYSTEM:

FEATURES:

#	Feature	Description
1	Power Button	Push in to turn on/off.
2	Future Connections	-
3	Power Cord	Plug into a source of power.
4	Touch Screen Display	Data display screen.
5	Inlet Hook-up	3/8" JIC
6	Outlet Hook-up	1/4" JIC

INSTALLATION INSTRUCTIONS

LOCATE

1. Locate where you will take oil out of your system's tank with a 3/8" hose (not included).
2. Locate where you will put oil back into your system away from suction with a 1/4" hose (not included).
3. Begin installing necessary hoses, fittings and/or adapters to plumb and hook-up the unit into your system after locating the desired locations above noting the below steps.
4. While hooking up the lines, be sure not to create bubbles and also make sure not to create or allow moderate to severe bends or dips in hoses as this can cause settling of materials and restrict flow or create blockage in lines or device.
5. With the Return line, place hose 1-2 inches off of the bottom of the tank.

> ⚠ **IMPORTANT:** You MUST use/install a 100 mesh suction screen (not included) on the suction side of unit. Failure to do so will VOID your warranty.

> ⚠ **IMPORTANT:** Do NOT run oil backwards through the return side of unit as damage to the unit can occur.
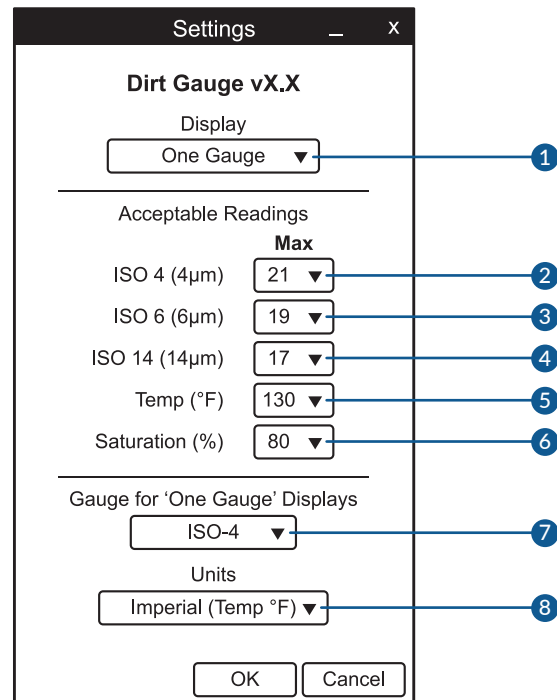
CONNECT TO POWER

1. Once all supply and return lines are plumbed and hooked up to the Dirt Gauge, connect the unit to power via the included plug-in power cord.
2. Push the power button on the front of the device to turn it on - the screen will light up and the unit will begin to run.
3. Note: The pump will run fast for approximately one minute.
4. Once the unit has ran for a minute or so, and the system begins to receive information, the motor will slow down to the correct flow.
5. The data screen will display the previous information taken at first. The new/current real-time reading will display within 3-5 minutes, but may take up to 15 minutes to stabilize and begin displaying real-time data.

SETTING UP DISPLAY

You can customize the display of the Dirt Gauge to have it display the data you want to view, as well as setup the ISO Code parameters necessary for your equipment. To do this:

1. Turn on the included keyboard by hitting the power switch on the back of the keyboard.
2. Using the touch pad located on the keyboard, select/click the 'Settings' button on the lower right side of the display screen.
3. Clicking the 'Settings' button will display a pop-up window screen like below.
4. To view available options, click the appropriate button or drop-down arrow on a specific setting. Refer below to see what options are available.

Item	Setting	Options/Info
1	Display	One Gauge, One Gauge + Data Box, Six Gauges
2	ISO 4	Set your Red line limit setting for ISO-4
3	ISO 6	Set your Red line limit setting for ISO-6
4	ISO 14	Set your Red line limit setting for ISO-14
5	Temperature	Set your Red line limit setting for Temperature
6	Saturation	Set your Red line limit setting for Saturation
7	One Gauge Display Selection	Specify what Gauge displays when the top 'Display' setting is set to 'One Gauge'
8	Units Measurement	Imperial or Metric