



Mud Level and Density Monitor

LD Series



- **Real Time Measurement of Drilling Mud Density and Level**
- **Standard Range: 6.67 to 20 lbs/Gallon (0.8 to 2.4 SG)**
Other ranges available.
- **Stainless steel probe, 7.5 ft with 6 ft extensions as required for easy installation**
- **Tank mounted sensors available as alternate**
- **Vertically mounted capacitive ceramic precision sensors provide reliable and clog-free operation**
- **Accuracy of 0.25% or better**
- **Configurable as stand alone transmitter with 4-20mA or digital outputs**
- **Optional “Turn Key” system in NEMA 4, with digital display and set point outputs**
- **Optional “in process” or “in tank” viscometer**

Dual Probe Assembly

PMC background and LD Technology

PMC has specialized in developing reliable precision transmitters for fluid level measurement in challenging locations and applications since 1963. This compact, rugged transmitter combines two ceramic capacitive sensors to accurately measure drilling fluid density and level.

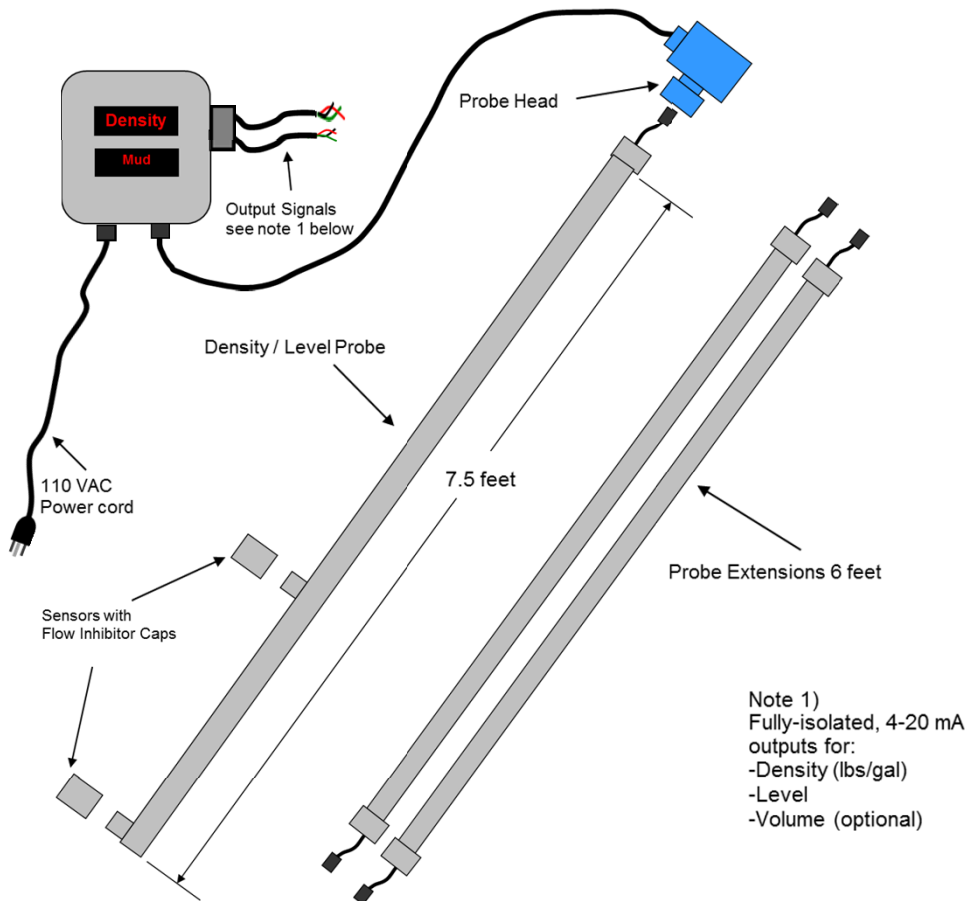
The lower sensor provides the output for fluid level and the differential pressure between the two sensors provides the density or specific gravity. In each case the accuracy is better than 0.25% and operation is up to 175°F (80°C) The standard output from each sensor is a 2 wire 4-20mA suitable for interface with PLC, with various digital protocols such as HART as available optional outputs

PMC also offers a turn key system including a wall mount NEMA 4 enclosure incorporating a digital display for Mud density and Level together with an option for set point outputs.

Designed for simple installation into the Mud Pit, the 7.5 ft long dual sensor assembly can be extended by the adding of 6 ft extensions for up to 20 ft or more. Alternatively the two sensors can be mounted into the side of the tank (pit) utilizing custom designed PMC tank mount nipples.

Product Overview

Below is a typical PMC LD Series Mud Density and Level monitor.. The display is mounted within a NEMA 1 enclosure for indoor use or NEMA 4 for outdoors. The system is fully configurable to user needs, including choice of Sensors, enclosure, display and communications.



Standard Display



How to Order

The LD Series Mud Density and Level Transmitter System is available in a wide range of configurations and ranges generally built to order.

The transmitter utilizes standard products from the wide range of PMC pressure transmitters and associated components.

Please contact PMC directly or our local representative to discuss applications and receive a custom quotation.

Please also refer to www.pmc1.com for current product details.



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