Two Birds with One Stone

## **Level Indication and** Pump Control with the ProVu® Series





For more information on multi-pump controllers visit:

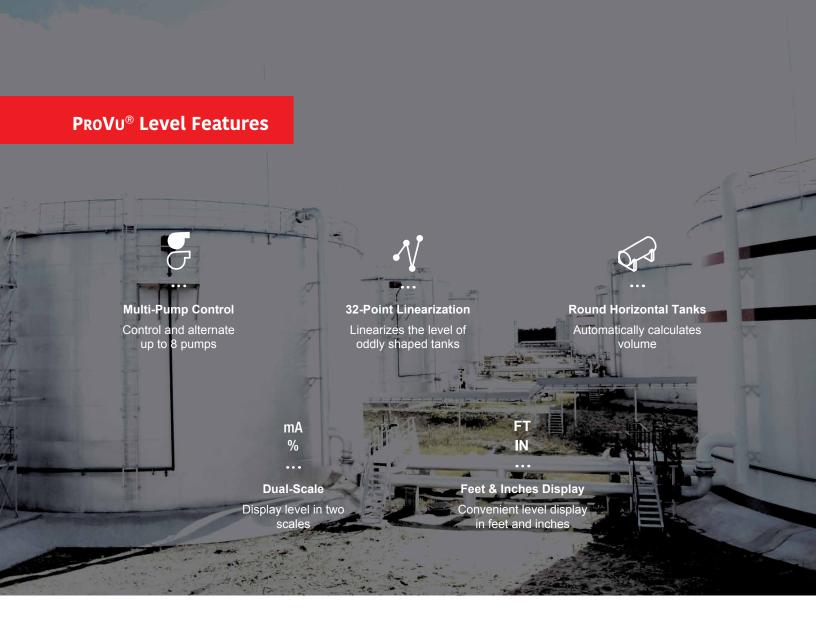
pumpcontrol.com

Level measurement and pump control go hand-in-hand, whether it is making sure that your tanks stay full or that they don't overflow. Traditionally, however, these two processes required separate devices, a pump controller and a level indicator. Precision Digital's PROVu® Series combines both level indication and pump control into one device. Not only that, they also offer advanced multi-pump alternation control functionality which can help maximize the life-span of your pumps.

The PROVU® PD6000 is a bright, easy-to-read digital panel meter that accepts either a current (0-20mA, 4-20 mA) or voltage (±10 V, 0-5 V, 1-5 V) analog input from any analog output level transmitter. The PD6001 provides convenient level readings in a format operators are used to seeing, feet and inches. Both models feature multi-pump alternation control for up to eight pumps. advanced 32-point linearization for oddly shaped tanks, and automatic round horizontal tank volume calculation.

As a level indicator, the PD6000 and PD6001 offer easy-to-read, dualline displays with optional SunBright LEDs which can be read in direct sunlight. The secondary display can be used to show level measurement units, volume, or percent full. They are available with up to four onboard mechanical relays and 4-20 mA analog output for signal retransmission or output of some other variable. An available external expansion module brings the total available relays to eight.

As a pump controller, the PD6000 and PD6001 can use the available eight relays to alternate the usage of up to eight pumps at programmed high or low



set points. When the level reaches the first set point, the controller will activate the first pump. When the level then reaches the associated reset point, the

[The] PROVU® Series

combines both level

indication and pump control

into one device... they also

offer advanced multi-pump

alternation control...

active pump will be deactivated. The next time this set point is reached, the controller will activate a different pump in the group. This spreads the amount of system wear evenly among

the pumps, rather than constantly utilizing a main pump and leaving the backup pump to remain unutilized and deteriorated over time, potentially failing when it is needed most.

If a pump does not function properly or the rate of change is more than a single pump can keep up with,

the next set point will activate a second pump. This will continue until all pumps associated with the pump controller have been activated. Additional relays

> on the controllers can be used to activate external alarms or other systems if, for example, the level measurement reaches an emergency condition.

The advanced pump control and

level indication features of the PROVU® PD6000 and PD6001 make combining level indication and pump control a breeze. They help not only by providing easily readable level indication and convenient pump control, but also by extending the life of your pumps by way of spreading out system wear.



by Simon Paonessa - Technical Writer Precision Digital Corporation