

# PD10

*Seametrics*

## PULSE DIVIDER INSTRUCTIONS

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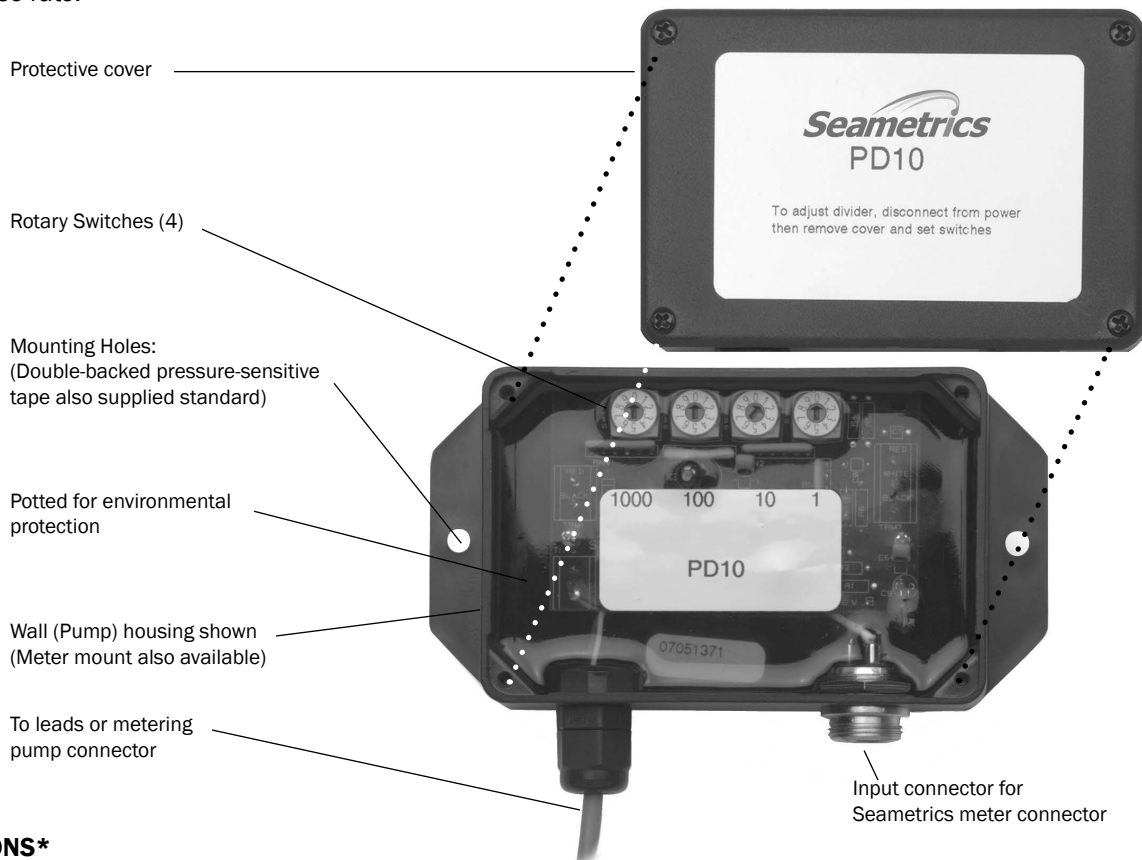


## GENERAL INFORMATION & SPECIFICATIONS

Designed for use as a meter accessory, the PD10 divider is used primarily for pacing electronic metering pumps. Any number from one to 9999 can be set on rotary switches. Each time the divider has received the set number of pulses from the meter, it puts out one pulse to stroke the pump. The PD10 is also useful in boiler and cooling tower feed and bleed operations, and for lowering frequency output of high frequency meters. Compatible with all Seametrics flow meters, the PD10 creates a programmable pulse meter with an easily adjustable pulse rate.

The PD10 comes in two different housings: an enclosure that can be mounted near the pump, and a watertight housing for mounting on the meter.

### FEATURES



### SPECIFICATIONS\*

Enclosure	Wall (Pump) Mount	Epoxy-encapsulated ABS housing with cover
	Meter Mount	Cast aluminum sealed housing
Temperature	0° to 130° F (-18° to 55° C)	
Divider Range	1 to 9999	
Setting Mechanism	Rotary switches	
Power	7 - 30 Vdc @ 4 mA	
Maximum Sensor Load	20 mA	
Maximum Input Frequency	350 Hz (pulses/second)	
Maximum Output Frequency	8 Hz (pulses/second)	
Output	Solid state relay; 0-250 V, 170 mA max AC/DC	
Output Pulse Width	0.1 second	
Input Connection	Wall Mount	Seametrics connector
	Meter Mount	Terminal
Output Connection	Wall Mount	Pump connector on 24 inch lead
	Meter Mount	Comes with 18 foot lead

\*Specifications subject to change • Please consult our website for current data ([www.seametrics.com](http://www.seametrics.com)).

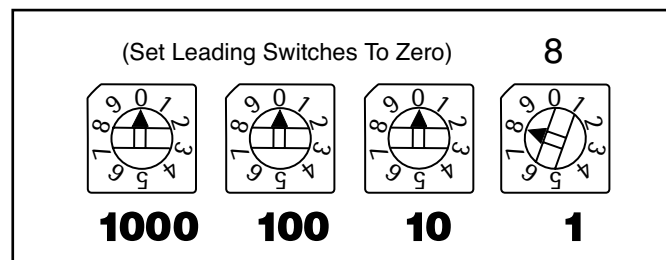
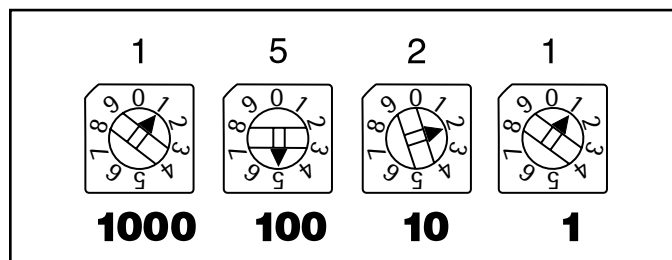


## SETTING

The four numbered rotary switches marked "1000", "100", "10", and "1" control the ratio of meter pulses to pump strokes. **Before setting the switches, disconnect power to the unit by removing the connector from the pump or unplugging the power adapter.**

To set any four-digit number, rotate the dials to the appropriate numbers. For example, to set 1521, set the four switches to "1", "5", "2", and "1". Any unused switches should be set to zero. For example, to set 8, position the dials to "0", "0", "0", "8". See samples below.

### Setting Examples



## TROUBLESHOOTING

Problem	Probable Cause	Try...
Metering pump not stroking	Meter dials not turning	Check visually, then check for adequate flow
	Meter pickup not working	Remove from meter, check with a magnet
	Pump connector not plugged in all the way	Check or tighten threaded locking ring (LMI)
	Pump doesn't supply power to the PD10	Check pump manual, add power supply
	PD10 set to large number or all zeroes	Check rotary switches, esp. for leading zeroes
Pump strokes continually	Pump not set for external pacing	Check pump manual and selector switch
Pump doesn't stroke often enough or too often	PD10 set for wrong number	Review setting on this page, check rotary switches
	Multiple contacts from meter	Set PD10 to 1 contact/pump stroke (0001) and see if the pump strokes once for each magnet revolution
	Meter ordered with wrong pulse rate	Check meter model/serial tag



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