

Humphrey[®]

ProCONTROL[™] **PCD**



www.humphrey-products.com

A privately owned US company since 1901.
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PROCONTROL™ Driver: PROCONTROL™ PCD

Humphrey **PROCONTROL™ PCD** is a rugged proportional valve controller designed to drive proportional valves through PWM or constant current signals.

The versatile design allows great flexibility of various drive/control inputs, or manual operation. Valve and interface can be controlled with a host of data acquisitions, such as PLCs, IOTs, or sensor feedback (closed loop) systems



PCD is ideal to evaluate and operate proportional valves, such as the new Humphrey **PROCONTROL™** Series.

FEATURES

- Control Input Options: 0 to 5v, 0 to 10v, 4-20mA, or manual via scroll wheel
- Valve Presets: PC3, PC10, PC30, PC100 or custom (such as other proportional valves, or ON/OFF valves)
- Connector: Screwless, pushbutton clamp
- User Interface: LCD Screen (no jumpers or pots to adjust)
- Industry leading LCD readout
- Setup and Installation instructions included

FEATURES: OUTPUT OPTIONS

- Constant Current:
 - 0 to 1 Amp
 - Dithering: 0 to 40mA
- PWM
 - Freq: 500, 1.25k, 2.5k, 5k, 10k Hz
 - Duty Cycle: 0 to 100%
 - Dithering: 0 to 10%



**PC10
Inline**



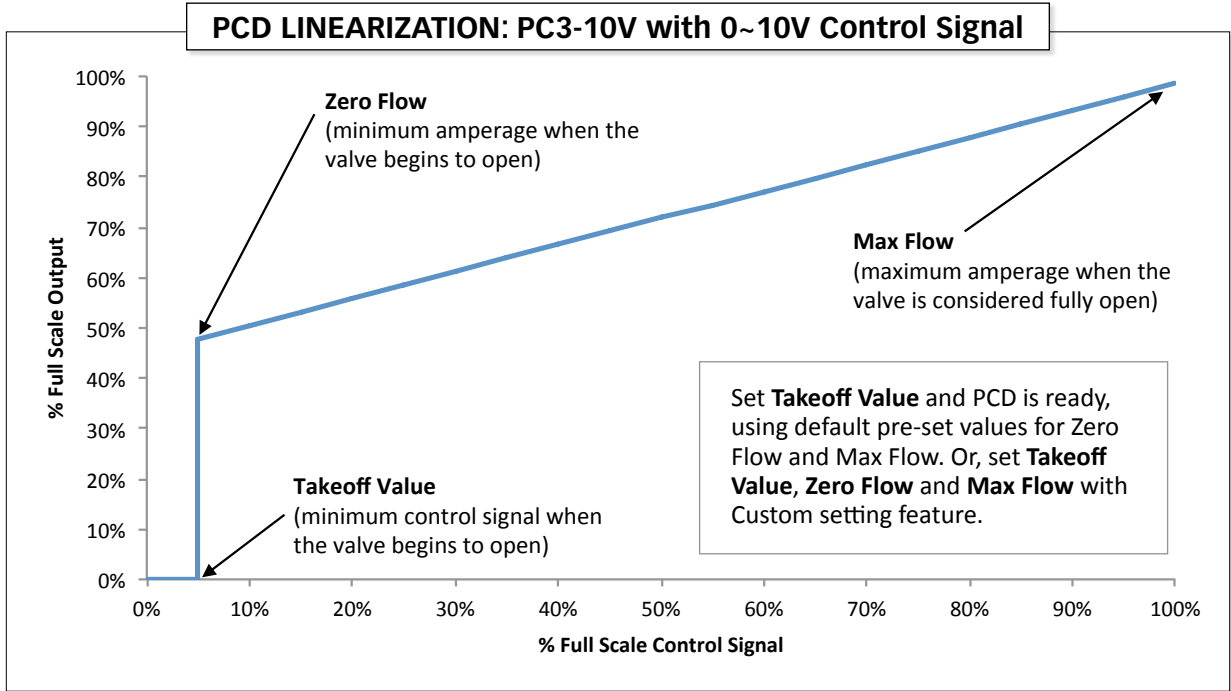
**PC30
Inline**



**PC3
Inline**



PCD-Linearization



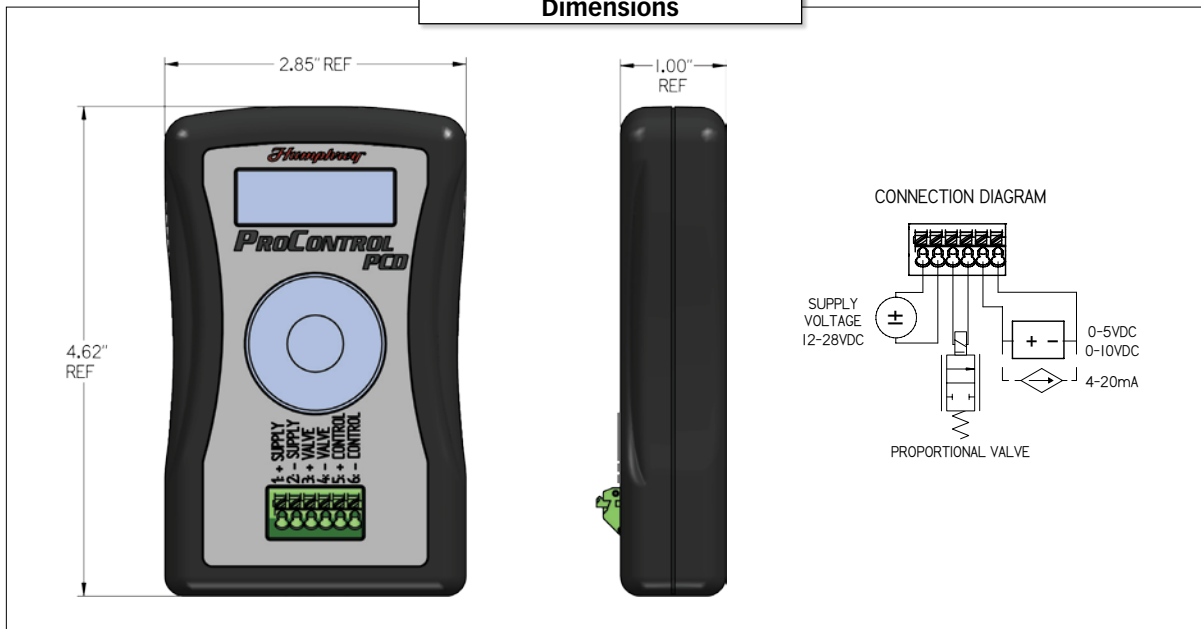
PCD-Specifications

SPECIFICATIONS

Model Number:	PCD
Supply Voltage:	12-28VDC
Control Signal:	0-5v, 0-10v, 4-20mA, PWM signal on 0-5v, manual via scroll wheel
Output Amperage:	0-1A (internally protected)
Valve Presets:	PC3, PC10, PC30, PC100, Custom
Wire:	16-24AWG, Stranded
Connector:	Screwless - Push Button Clamp



Dimensions



PCD-Overview, How to Order

COMPACT SIZE
Bench Top/Desktop;
Hand comfortable

PROCONTROL™ VALVE PRESETS
Parameters entered
and ready to go

EASY TO USE
Simple connector;
Quick setup;
Instructions included
with each PCD

MANY OPTIONS
Several control input options;
Wide range of outputs

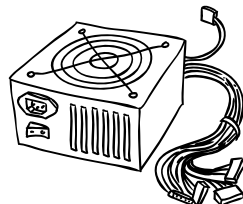
COMPATIBILITY
Works with Labview, PLCs,
Arduinio, DAQ systems,
microcontrollers and many
other systems. Great for lab
environments, maker project,
prototyping and machine building



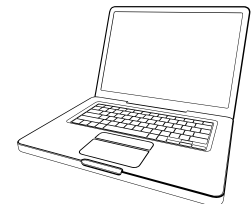
LCD SCREEN
Easy to read
and navigate

**SCROLL WHEEL
WITH CENTER
SELECT BUTTON**
Navigation and
parameter setting

**PUSHBUTTON
CONNECTOR**
Spring loaded
and screwless



Power Supply



PC Laptop

Ordering Part Number: PCD