



# Digital Power Supply and Readout Type PDR2000

## Features and Benefits

- ☐ Low cost
- ☐ 0.75 Amp power supply allows use of up to two heated manometers
- ☐ RS-232 interface
- ☐ CE Compliant
- ☐ Linear analog output
- ☐ Two process relay set points
- ☐ Compact size

## Description

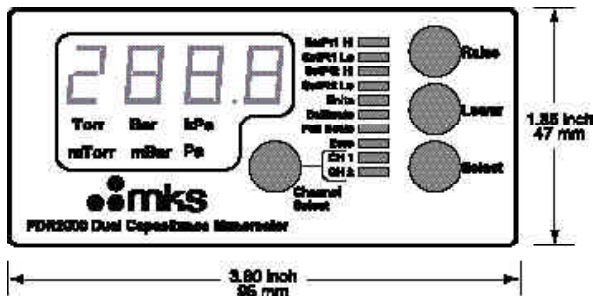
The MKS PDR2000 is a versatile, low cost solution for powering and displaying the MKS Baratron® family of transducers. This unit can deliver up to 0.75 Amps of  $\pm 15$  VDC to operate one or two heated or unheated units. Both units are simultaneously powered, so the user may alternate between readings by pressing a front panel select button. The readings are also available on demand via the RS-232 interface.

Two process relay trip points are available and may be assigned to either manometer. Upper and lower settings allow the user complete control over the hysteresis of the control trip point. The relays have isolated outputs and are rated for 2 Amps at 240 VAC.

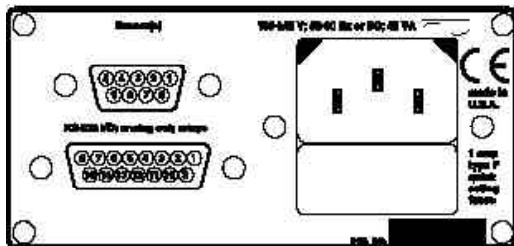
The advanced power supply design operates on any input from 100 VAC to 240 VAC. Selection of engineering unit is also available for Torr/mtorr, or mbar/microbar. It is also CE marked, making it a universal instrument for international application.

## Dimensional Drawing

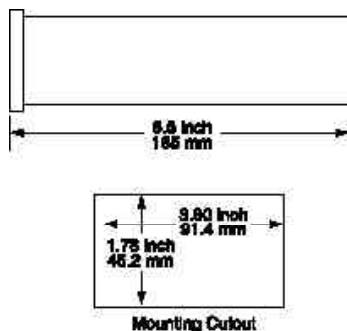
Front View



Rear View



Outline



Note: Unless otherwise specified, dimensions are nominal values in inches (mm referenced).

## Specifications

<b>Display Type</b>	4 digits (9999) Red LED
<b>Display Range</b>	0.01 mtorr to 10.00 ktorr
<b>No. of Channels</b>	2
<b>Relay Trip Points</b>	2, assignable to either channel
<b>Outputs</b>	
Analog	Continuous 0-5 VDC output, 0.5 VDC per decade based on display value 0-10 VDC each channel (duplicate of input)
Digital	RS-232 (9600 baud, 8 data bits, no parity, 1 stop bit)
<b>Controls</b>	Gauge Select, Full Scale Adjust, Calibrate, Zero, Set point 1 High, Set point 1 Low, Set point 2 High, Setpoint 2 Low, Torr/mbar Select
<b>Output Power</b>	±15 VDC @ 750 mA
<b>Operating Temperature Range</b>	+2 to +50°C
<b>Weight</b>	1 lb.
<b>Operating Voltage</b>	Universal input, 100-240VAC, 47-63 Hz, 40 VA, IEC 320 instrument power input receptacle
<b>Size</b>	
Standard	1/8" DIN enclosure 3.80" W x 1.85" H x 7.0" D (95 mm x 47 mm x 175 mm)

Specifications are subject to change without notice.  
Baratron® is a registered trademark of MKS Instruments, Inc., Andover, MA.

## Ordering Information

model number example

PDR2000AO

Type Number	PDR2000AO
-------------	-----------

### Cables

626/627/628/722 with 15-pin D to PDR2000	CB2000S-1-M1*
722/750/850/852 with 9-pin D to PDR2000	CB2000S-2-M1*
RS-232 output	CBPDR-1-10
One 628 to PDR2000	CB628S-3-10

\*M1 = 10ft. lengths, M2 = 20ft. lengths, M3 = 30ft. lengths