

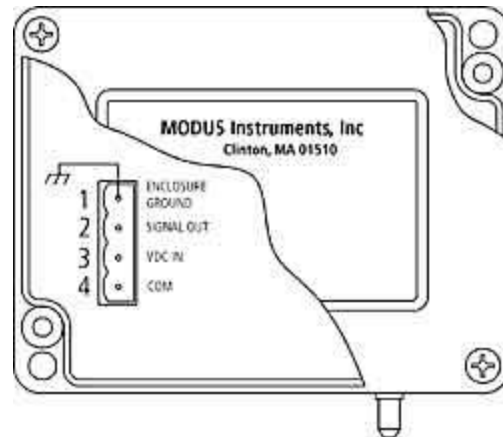
Modus Model M10

MODEL M10

DC Power Input/Voltage Output



Diagram shows area of detail.
Please see inset diagrams for wiring of each individual model below.



SPECIFICATIONS

Electrical

Supply Voltage: 11 to 32 Vdc (14.5 to 32 Vdc for 10 Volts output)

Protected against reversal of polarity

Supply Current: 8mA

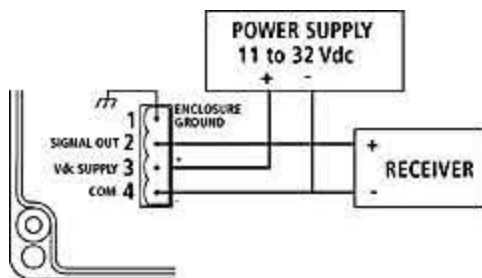
Output:

0 to 5 Volts, linear

0 to 10 Volts linear

Sink or source 3.5mA

Protected against short circuit



Terminal 1 is enclosure ground.

Terminal 2 is positive signal voltage.

Terminal 3 is positive supply voltage.

Terminal 4 is common to both the DC power supply and the output signal.

ORDERING INFORMATION

Order Number

(See Table below and Reference **Table A**)

M10 - IP - O - SO - KQ - KS

Example:

M10 - 01E - A - 5 - 1 - R

IP = Input Pressure	O = Offset (See Note 1)	SO = Signal Output	KQ = Knockout Quantity	KS = Knockout Size
See Reference Table A	- = No offset	5 = 0 - 5V	1 = 1 Hole	R = 1/2" Conduit
	A = 1/4 offset	X = 0 - 10V	2 = 2 Holes	S = PG 11
	B = 1/2 offset			T = PG 13

Note 1

If the measured differential pressure is expected to go from positive to negative, a transmitter with offset (elevated zero) should be ordered. Three options are available:

"-" No offset. At zero differential pressure, the output signal is:

4mA (4 to 20mA range)

0V (0 to 5V range)

0V (0 to 10V range)

Pressure excursion: 0% to + 100% of Range, see **Table A**

"A" 1/4 span offset. At zero differential pressure, the output signal is:

8mA (4 to 20mA range)

1.25V (0 to 5V range)

2.5V (0 to 10V range)

Pressure excursion: -33% to +100% of Range see **Table A**

"B" 1/2 span offset. At zero differential pressure, the output signal is:

12mA (4 to 20mA range)

2.5V (0 to 5V range)

5V (0 to 10V range)

Pressure excursion: -100% to +100% of Range, see **Table A**

To order: determine the positive pressure range; from **Table A** find the corresponding pressure code, then add the required offset (none, A, or B).

For example, M30 05E A__, is a transmitter with a maximum range of 1" of H₂O at 20mA and a minimum range of -0.33" of H₂O at 4mA.