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Medge Controls by Mega Switchgears

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MDP-701 Micro Differential Pressure Air Pressure Transmitter Datasheet



Product Description

MDP701 micro differential pressure air pressure transmitter is composed of OEM silicon piezoresistive differential pressure core. The shell is made of aluminium alloy. The two pressure interfaces are M8 threaded and cock structures, which can be directly installed in the measuring pipeline or connected through the booster pipe, and can accurately measure the pressure and differential pressure of the gas. It is widely used in the field of pressure process control in power and coal industry, such as boiler air supply and underground ventilation.

The long tube is the high pressure input port and the short tube is the low pressure input port.

Measuring Pressure: Only Long tube

Measuring differential pressure: high pressure to long tube, low pressure to short tube

4. Strong anti-interference and long-term stability
5. Diversification of shape and structure
6. Guarantee period: 18 months

Mainly technical parameters

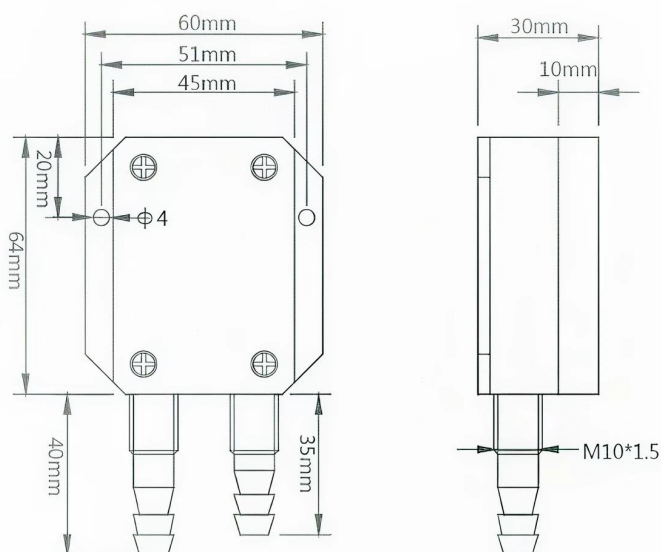
Model:	MDP701
Power supply:	24VDC
Output single:	4~20mA, 1~5V, 0~10V, RS485
Measuring range:	-0.1...0...60Mpa
Compensation temperature:	-10~70°C
Medium temperature:	-40~80°C
Environment temperature:	-40~85°C
Measuring media:	Gaseous
Pressure type:	Gauge pressure, Absolute pressure
Accuracy:	0.1%F.S, 0.25%F.S, 0.5%F.S (standard)
Zero tempe drift:	±0.03%F.S/°C
Sensitivity temperature drift:	±0.03%F.S/°C

Product advantage

1. Accurately measure the pressure and differential pressure of the gas or air
2. High Precision, Isolation circuit board
3. Microamplifier, output of voltage, current and RS485 signals

Overload:	200% F.S
Long-term stability:	≤0.2% F.S/year
Inherent frequency:	5kHz~650kHz
Protection grade:	IP65

Connection Type



Range Selection

Code	Range	Code	Range
01	0-100pa	07	0-5Kpa
02	0-200pa	08	0-10Kpa
03	0-500pa	09	-100-0pa
04	0-1Kpa	10	-1Kpa-1kpa
05	0-2Kpa	11	-2Kpa-2kpa
06	0-3Kpa	12	Others

Product Series: MDP701

Pressure Range:

Selection from the attached range list

Pressure Type

A: Absolute pressure, G: Gauge pressure

Accuracy Level

E1: 0.1% F.S., E2: 0.25% F.S., E3: 0.5% F.S. (Standard)

Display Form

M0: No display, M1: Digital display, M2: LCD display

Installation Mode

A1: M8, A2: Others

Power Supply Mode

D1: 12-36VDC, D2: 3V-5VDC

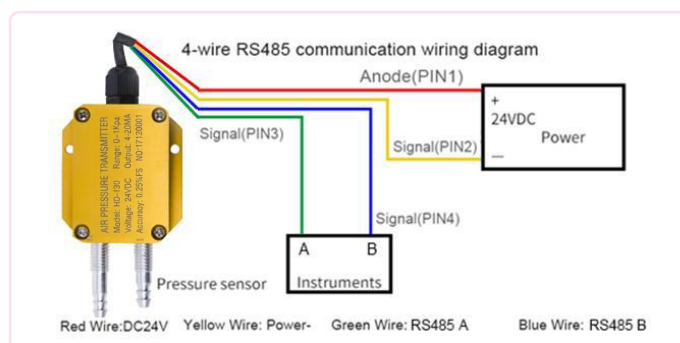
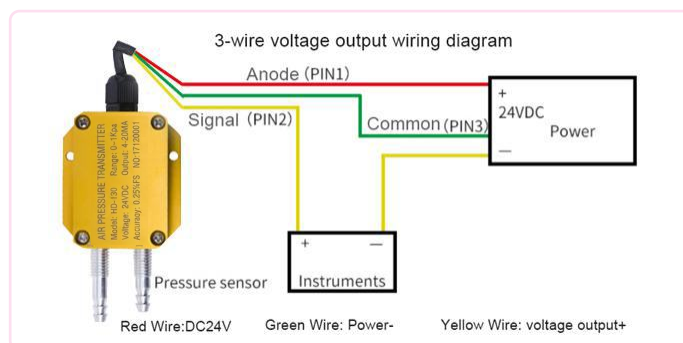
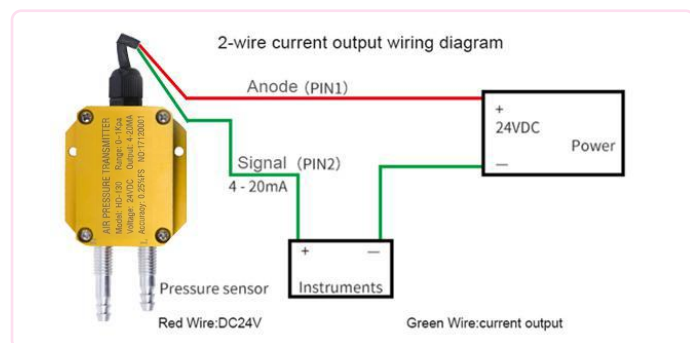
Signal Output

F1: 4-20 mA (2-wire), F2: 0-5 V (3-wire), F3: 0-10 V (3-wire), F4: RS485 (4-wire), F5: Others

MDP701 - A - E1 - M0 - A1 - D1 - F1

It means that the model is MDP-701, the pressure type is absolute pressure, the accuracy level is 0.1% F.S, the display form is no display, the installation mode is M8, the power supply mode is 12-36VDC & 4~20mA (2-wire) output.

Wiring Diagram



Pressure Transmitter



Differential Pressure Transmitter



Pressure Gauge

