

"Edge Technology —
Giving You the Edge
Over Others."

Instrumentation | Flow meters, Level, Temp & Pressure Sensors

Medge Controls by Mega Switchgears

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MDP-500 Series - Pressure Transmitters

Cable Connector Type



Digital Display Type



Hessman Connector Type



Product Description

MDP500 series pressure transmitter pressure sensitive core adopts high performance silicon piezoresistive pressure filling core. The internal ASIC converts the sensor millivolt signal into standard voltage, current or frequency signal, which can be directly connected with computer interface card, control instrument, intelligent instrument or PLC. Current output mode can be used for distance transmission.

It has small volume, light weight, all stainless steel sealing structure and can work in corrosive environment.

The product is easy to install and has high anti-vibration and anti-impact performance. It is widely used in process control, aviation, aerospace, automobile, medical equipment, HVAC and other fields.

5. Strong anti-interference and long-term stability
6. Diversification of shape and structure
7. Guarantee period: 12 months

Mainly technical parameters

Model:	MDP500
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, Liquid, Water
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

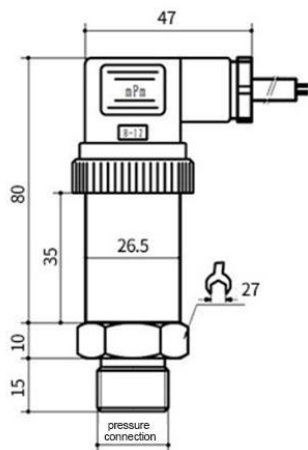
1. 304 or 316L stainless steel isolation diaphragm structure
2. Laser label printing
3. High Precision, Isolation circuit board
4. Micro amplifier, output of voltage, current and RS485 signals

Overload: 200% F.S

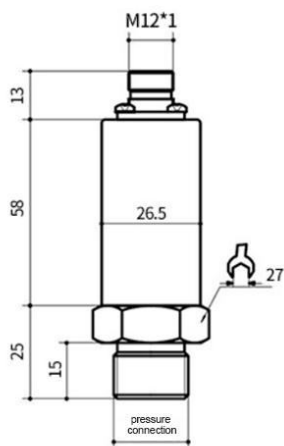
Long-term stability: $\leq 0.2\%$ F.S/year

Inherent frequency: 5kHz~650kHz

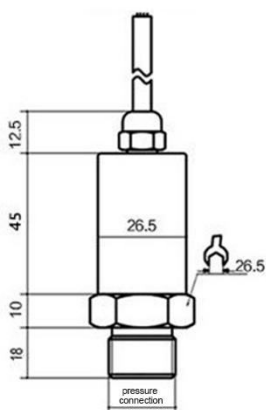
Protection grade: IP65



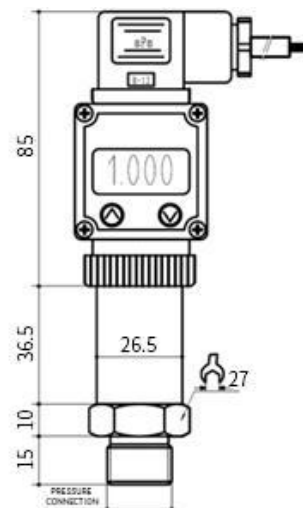
Hessman Connector Type (Standard config)



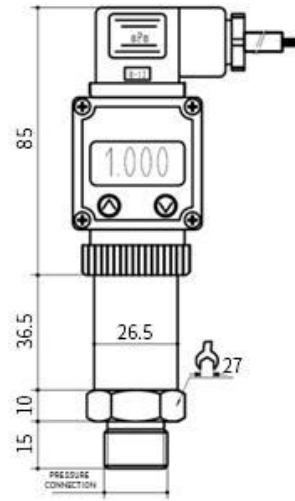
Aviation Plug Type (Standard config)



Cable Connector Type (Standard config)



Digital Display Type (Standard config)



LCD Type (Standard config)

Range Selection

Code	Range	Code	Range
01	0-5 kpa	07	0-20 Mpa
02	0-10 kpa	08	0-40 Mpa
03	0-100 kpa	09	0-60Mpa
04	0-1 Mpa	10	-100-0 kpa
05	0-1.6 Mpa	11	-100-1000 kpa
06	0-10 Mpa	12	Others

Product Series: MDP500

Pressure Range:

Selection from the range attached 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: M20*1.5 (thread), A2: 1/2 NPT, A3: G 1/2, A4: Others

Connection Type

N1: Hessman Connector type,
N2: Cable Connector type
N3: Aviation Plug type

Power Supply Mode

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

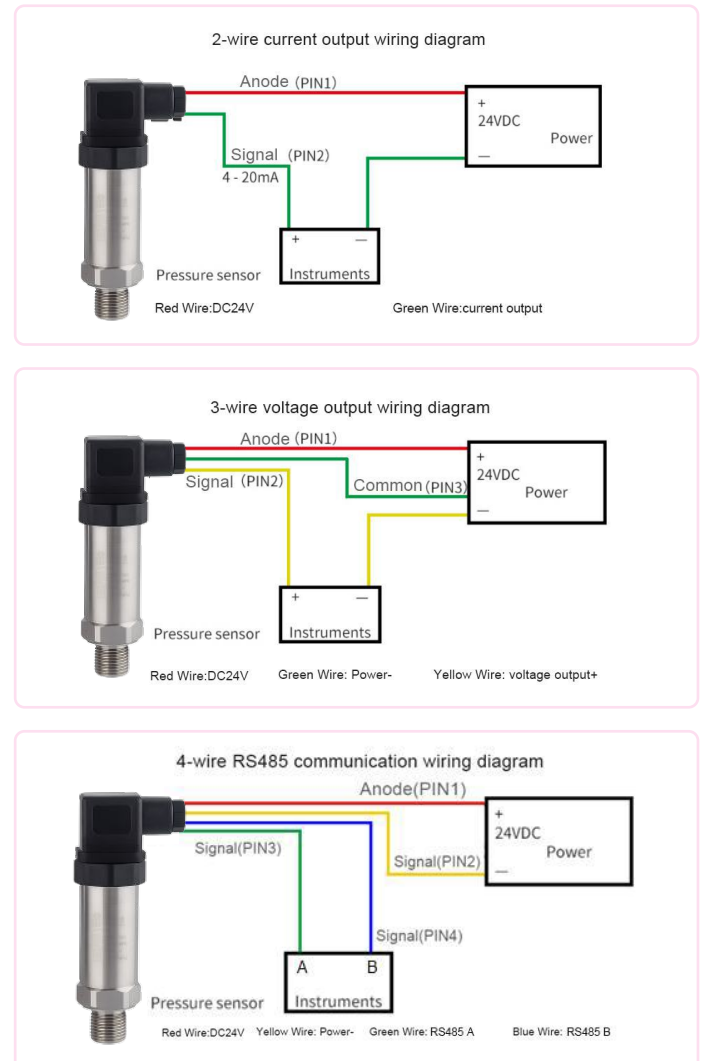
Single Output

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

MDP500 - A - E1 - M0 - A1 - N1 - D1 - F1

It means that the model is MDP-500, the pressure type is absolute pressure, the accuracy level is 0.1% F.S, the display form is no display, the installation mode is M20*1.5 (thread), the connection type is Hessman Connector Type, power supply mode is 12-36VDC & 4~20mA (2-wire) output.

Wiring Diagram



Pressure Transmitter





Differential Pressure Transmitter



Pressure Gauge

