

# HRDP4200A/P Micro Differential Pressure Transmitter

## General



Type A



Type P

HRDP4200A/P Low Differential Pressure Transmitter uses sensitive chips and special high-performance conditioning circuits, and the measured differential pressure signals are converted into standard electrical signal outputs.

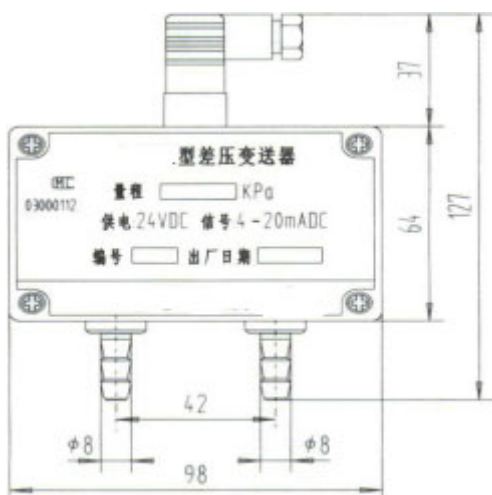
HRDP4200A/P Low Differential Pressure Transmitter can be used for lower pressure measure of dry, non-conductive and non-corrosive gas measurement. It is widely used in industries such as textiles, pharmaceuticals, electric power, chemicals, boilers, brewing, locomotives and building intelligence and etc.

## Specification

Main performance indicators	
Accuracy	$\pm 0.5\%$ (typ.), $\pm 1\%$ F·S(max.)
Long-term stability	1%F·S/year
Overload capability	5 X F·S
Temperature characteristics	
Compensation temp.	0~70℃
Working temp.	-10~85℃

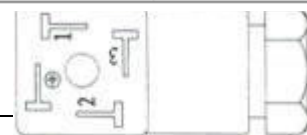
Zero temp.drift	0.03%F.S/°C (≤5KPa) 0.02%F.S/°C (>5KPa)
FS temp.drift	0.03%F.S/°C (≤5KPa) 0.02%F.S/°C (>5KPa)
Storage temp.	-40~125°C
<b>Electrical characteristics</b>	
Power Supply	DC12~30V
Power Protection	Anti-reverse connection, over voltage protection
Output method	Two-wire 4~20mA
	Three-wire 0/1~5V/10V
	RS485
<b>Construction characteristics</b>	
Measuring medium	dry, non-conductive, non-corrosive gas
Pressure interface	Φ8mm PH or customized
Cable material	PVC
<b>Environmental characteristics</b>	
Protection level	IP65
Insulation	100MΩ @50V
Vibration	20g, 20~5000Hz
Shock	20g, 11ms

### Outline Construction



### Electrical connections

接线定义	接插件连接位置
电源正: +V	插脚 1
电源负: 0V/OUT	插脚 2



HRDP4200A/P	Micro Differential Pressure Transmitter			
	Range			
	[0~X] KPa	Code	Output Signal	
		E	4 ~ 20mA (two-wire)	
		I	0~5VDC	
		J	1~5VDC	
		Q	RS485	
HRDP4200A	[0~1] KPa	E		Full model example