

The selection is detailed on page 3



LW-PT

Digital Display Type Pressure Transmitter

Working principle

The working medium pressure is transmitted through the standard process connector and then affects the internal pressure sensor element. Internal electronics convert raw transmitter signals into filtered, amplified, temperature compensated and standardized signals such as 4... 20mA signal, etc. The output signal is transmitted to the next unit for signal processing via standardized connectors or cables.

Product description

The pressure transmitter uses a high performance pressure sensing chip, coupled with advanced circuit processing and temperature compensation technology, to convert pressure changes into linear current, voltage or RS485 signals. The product is small in size and easy to install, and the digital display head can be isolated and anti-corrosion with the stainless steel shell, suitable for measuring the gas and liquid media compatible with the contact part of the material, and the number of monitoring and display the value of the current measured pressure.

Functional characteristics

0.5% F.S/1.0% F.S accuracy
Resistance to vibration and impact
With reverse polarity protection
Strong overload and anti-environmental interference ability, economic, practical and stable
Has 2-wire 4-20mA current output/has 3-wire voltage 0-10V output/RS485 output.

Product application

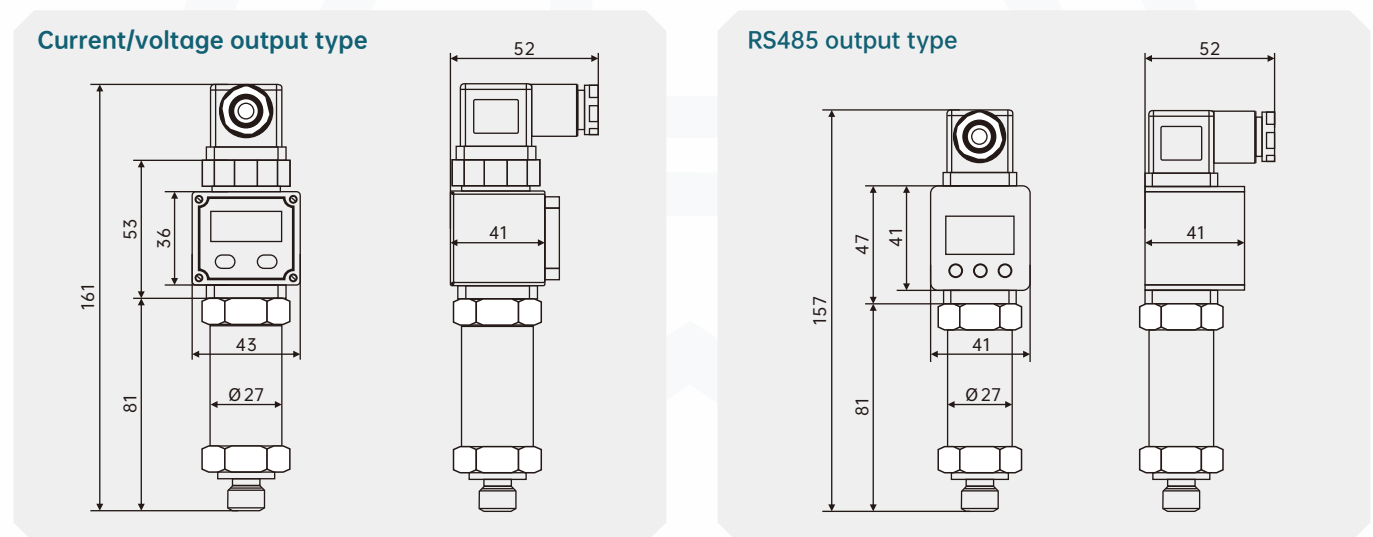
Water plants, oil refineries
Sewage treatment plant, building materials
Light industry, machinery and other industrial fields



Technical parameter

Measured medium	Gas or liquid compatible with 316L, 1Cr18Ni9Ti. Fluororubbers and butadiene rubbers
Measuring range	-100kPa~100kPa, 0~2... 60MPa
Maximum overload	1.5 times the range
precision	±0.5%F.S, ± 1.0% F.S
Display mode	4-bit LCD
Power supply	Nominal value 24VDC, operating voltage range 12-30VDC
exportation	4-20 mA, 0-10 V, RS485 output
Storage temperature	- 30 ~ 80 °C
Operating temperature	- 20 ~ 75 °C
Temperature drift	0.03% F.S /°C, 0.05% F.S /°C
Pressure connection	G1/4, 1/4NPT, R1/4, M12*1, M10*1, M20*1.5, G1/2
Electrical connector	Hersman jointIP54
Shell protection	

Size mm



Electrical connection

Foot position	Foot 1 (red line)	Foot 2 (black line)	Foot 3 (green line)	Feet (white line)	Terminal
Output type	Power Supply	Power supply			
4-20mA output type	Power Supply	Power supply			
0-10V Output type	Power Supply	Power supply	VOUT		
RS485 Output type	Power Supply	Power supply	A	B	

Function description

Screen	Instructions
Bps	Baud rate: 2400、4800、9600、19200
Addr	Slave address: 001~254
Unt	Unit display: bar、psi、kPa、MPa
dP	Point position
File	Filtering coefficient: 0~9
END	Save Settings

LW-PT-Selection composition

Selection example LW-PT

A	G	J	N	S	V	G
1	2	3	4	5	6	7

1.Measuring range	A	-100~0~100kPa	
	B	0~2...600bar	
	C	0~60MPa	
2.Output signal	G	4~20mA (two-wire system)	
3.Range unit	J	kPa	
	K	MPa	
	L	psi	
	M	bar	
4.Precision class	N	0.5%F.S	
	O	1.0%F.S	
5.Electrical interface	S	Hersman joint (DIN43650A)	
	T()	Other electrical interfaces	
6.Process connection	U	G1/4	
	V	G1/2	
	W	1/4NPT	
	X	R1/4	
	Y	M20*1.5	
	T()	Other process connection	
7.Liquid material	G	304SS	
	H	316L	
	T()	Other materials	

Instructions:

LW-PT type digital display pressure transmitter, measuring range is: 0~100kPa, output signal is 4-20mA/ two-wire system, measuring range unit is kPa, accuracy level is 0.5%FS, electrical interface is Hersman joint, process connection is G1/2, liquid material is 304SS.

Product Certification

Compliance and approval; Rodewig pressure gauges meet key standards and certifications for process measurement technology; Thus guaranteeing the highest reliability in such Settings;