LW-PH
High Temperature Pressure Transmitter

Product application

Pharmaceutical preparation

Oil and water pressure measurement

Fire water pressure monitoring

Gas alarm

Functional characteristics

Air pressure oil pressure hydraulic pressure

Vacuum to 60MPa range can be customized

Output signal 24V 4-20mA

Mounting thread M20*1.5,G1/2

Product description

High temperature pressure transmitter, professional quality, strong compatible.

Provide information for quick selection
Pressure monitoring in front of elevators and stairwells in high-rise buildings, basements and shelters, hotels, shopping malls, hospitals and other public places.

Detail upgrade
High performance silicon piezoresistive pressure filled oil core for improved performance across the board

High temperature, corrosion and wear resistance
The heat sink is fully integrated with the core and works normally at high temperatures
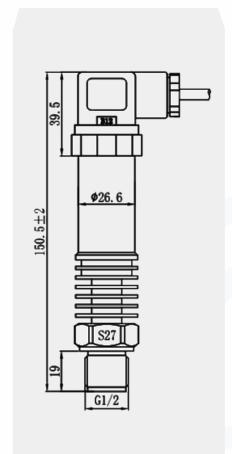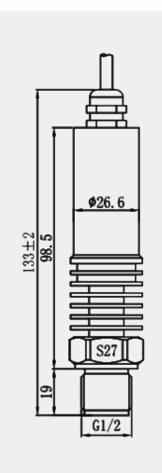
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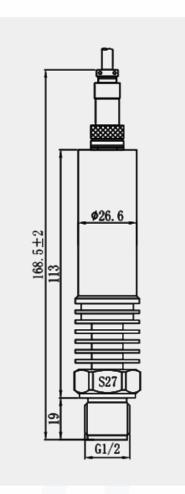
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Product parameter

Pressure range	-100KPA... 0~10KPA... 60MPA				
Overload pressure	1.5 times the rated pressure				
Precision	±1%F.S				
Stability	<0.5%F.S/ year				
Operating temperature	-40~+120°C				
Medium temperature	Maximum 180°C				
Measured medium	Gases or liquids compatible with 304 and 316L stainless steel, fluororubbers or butadiene rubber				
Electrical performance	Two-wire system	Three-wire system			Four-wire system
Output signal	4-20MA	0.5-4.5V	0-5V	0-10V	RS485
Power supply	10-30VDC	4.75-5.25VDC	10-30VDC	12-30VDC	10-30VDC
Electrical connection	DIN43650A(Grand Hersman), M12 waterproof outlet, M12 aviation connector (three/four cores)				
Pressure connection	G1/4, NPT1/2, G1/2				
Pressure form	Gauge pressure G/ Absolute pressure A				

Note: Measurement at 25°C includes a combined accuracy of linearity, repeatability and hysteresis.

Size specification

Installation guide

Output type	External drawing	Foot position	Current two-wire system		Three-wire voltage system		RS485	
			Feature	Colour	Feature	Colour	Feature	Colour
DIN43650A (Big Hersman)		1	Power +	Red	Power +	Red	Power +	Red
		2	Signal +	Black	Signal +	Green	A	Green
		3			Power -/ Signal -	Black	B	White
		⏚					Power -/ Signal -	Black
M12×1.5 Waterproof joint			Power +	Red	Power +	Red	Power +	Red
			Signal +	Black	Power -/ Signal -	Black	A	Green
					Signal +	Green	B	White
							Power -/ Signal -	Black
M12×0.75 Four core jet jack		1	Power +	Red	Power +	Red	Power +	Red
		2	Signal +	Black	Power -/ Signal -	Black	A	Green
		3			Signal +	Green	B	White
		4					Power -/ Signal -	Black
M12×0.75 Three core jet jack		1	Power +	Red	Power +	Red		
		2	Signal +	Black	Power -/ Signal -	Black		
		3			Signal +	Green		

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LW-PH-Selection composition

Selection example **LW-PH** | A | G | / | J | / | N | / | S | / | U | / | X |
1 2 3 4 5 6 7

1.Range range	A	-100kPa...0~10kPa...60MPa		
2.Output mode	G	4~20mA (two-wire system)		
	H	0.5~4.5V (three-wire system)		
	I	0~5V(three-wire system)		
	B	0~5V(three-wire system)		
	C	RS485 output (four-wire system)		
3.Unit of measurement	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 connector (DIN43650A)		
	C	M12 waterproof cable		
	B	Three core aviation connector		
	D	Four core aviation connector		
6.Process connection	U	G1/4		
	V	G1/2		
	W	1/2NPT		
7.Outlet length	X	1m		
	Y	2m		
	Z	3m		

Instructions:

LW-PH high temperature pressure transmitter range -100kPa... 0~10kPa... 60MPa output 4~20mA (two-wire system), measuring unit kpa, accuracy level 0.5%F.S, electrical interface Hersman connector, process connection G1/4, outlet length 1m

Product certification

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