

FEATURES

- With reverse connection and overvoltage protection;
- Small size, light weight, easy to install;
- Suitable for temperature measurement of fluid media, able to work stably for a long time.



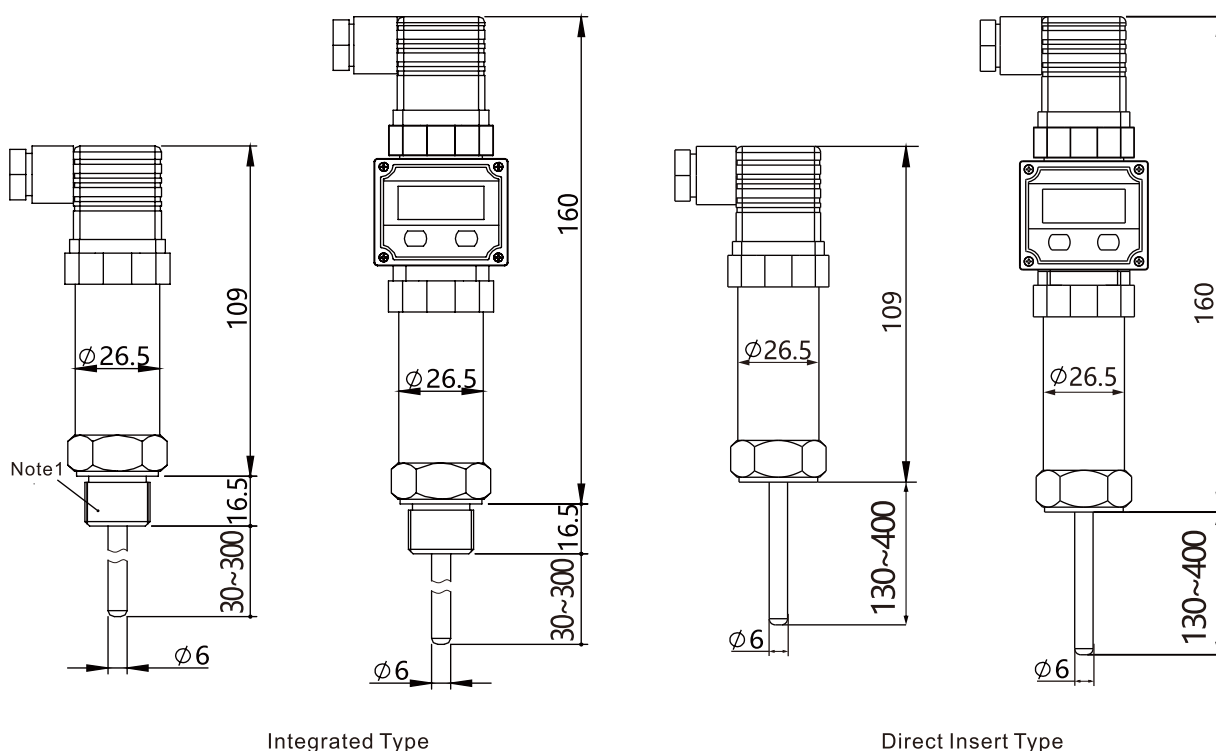
DESCRIPTION

LFW21 Integrated Temperature Transmitter uses a high-resolution and high-precision temperature sensor as the measuring element. The amplifier circuit is located in a 304 stainless steel housing to convert the sensor signal into an analog signal output. This product is widely used in temperature measurement at industrial sites such as petroleum, chemical industry, electric power, hydrology, etc.

SPECIFICATION

Measuring medium	Liquid or gas, etc. (compatible with contact materials)
Measuring range	-50~200℃ (see Order Ref. No.)
Output signal	4~20mA/0-10V/PT100/PT1000
Supply voltage	15~33VDC
Accuracy	0.5%FS
Working environment	-40~85℃ , 0~95%RH (no condensation)
Shell material	304 stainless steel probe rod and casing, ABS Hirschmann connector
Protection level	IP65 (without display) , IP54 (with display) Note: The above protection level refers to the level achieved after the electrical connection is complete.

DIMENSION(mm)

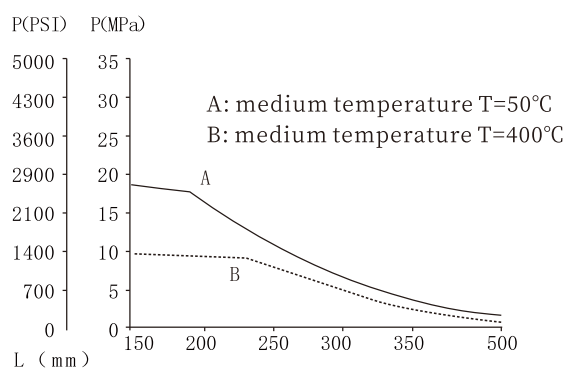


Note1:

Thread Size				
Thread Type	M20*1.5	G1/2	G1/4	Clamp 50.5MM

PRESSURE RESISTANCE CHARACTERISTICS

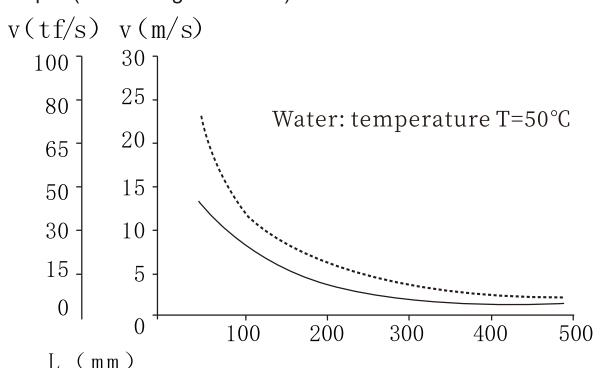
The pressure that protective tube withstand changes with the tube length (see the figure below)



Protective tube diameter 6MM, wall thickness 0.5MM, L: immersion depth, P: process pressure

MEDIUM FLOW

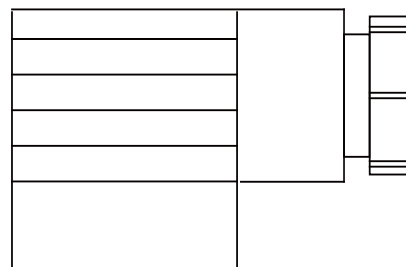
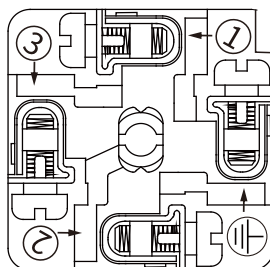
The maximum medium flow rate that the protective tube can withstand decreases with the increase of insertion depth (see the figure below)



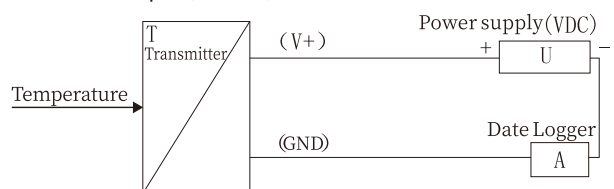
Protective tube diameter 6MM, wall thickness 0.5MM, L: immersion depth V: flow rate

WIRING INSTRUCTION

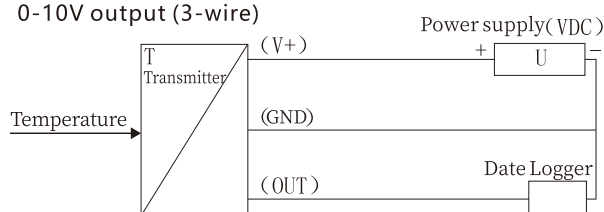
Mark	2-wire	3-wire
1	V+	V+
2	GND	GND
3		OUT
⊥		



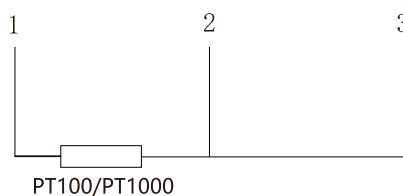
4-20mA output(2-wire)



0-10V output (3-wire)



PT100/PT1000 Output(3-wire)



ORDER REF NO.

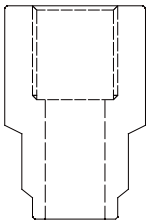
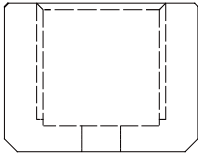
CODE AND DESCRIPTION							Remark	
LFW21	Integrated Temperature Transmitter						Model	
	A4	4~20mA(2-wire)	0	PT100, ±0.2℃@0℃			Temperature Output	
	V10	0-10V (3-wire)	1	PT1000, ±0.2℃@0℃				
		0	0~100℃					Temperature Range
		1	0~200℃					
		2	-50~50℃					
		3	-50~100℃					
		4	-50~200℃					
		X	customized (temperature range -50~200℃)					
		G2	G1/2 male (fixed thread installation)		Integrated Type	Installation Method		
		G4	G1/4 male (fixed thread installation)					
		M20	M20*1.5 male (fixed thread installation)					
		K	clamp (50.5MM)					
		Z			Direct Insert Type			
		0	without					Protective Tube
		1	with					
			L30	30mm		Integrated Type	Probe Length (excluding thread)	
			L50	50mm				
			L100	100mm				
			L150	150mm				
			L200	200mm				
			L300	300mm				
			X	customized				
			L130	130mm		Direct Insert Type		
			L200	200mm				
			L250	250mm				
			L300	300mm				
			L400	400mm				
			X	customized				
			0	without				Display
			1	with				
LFW21	A4	0	G2	0	L100	0	Selection Example	

Note:

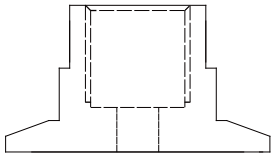
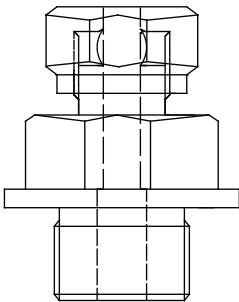
- 1.LFW21-A4-0-G2-0-L100-0 represents an integrated temperature transmitter, output 4-20mA,temperature range 0~100°C,threaded interface is G1/2 (fixed thread installation), no protective sleeve tube,probe length 100mm,no display.
- 2.When selecting the installation method and probe length, need to consider those are for integrated type or direct insert type.
- 3.Protective tube parameters: diameter 10mm, mounting thread G1/2 external thread, length matching the length of the probe.

ACCESSORIES (NEED PURCHASE SEPARATELY)

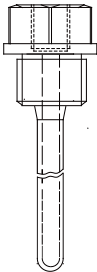
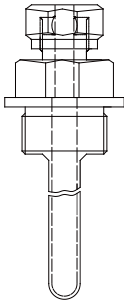
Welded ring

	
Staged welded ring	Flat welded ring

Adapter

		
Clamp adapter	Flange adapter	Ferrule adapter

Protective tube

	
Integrated probe casing	Sleeve type bushing