

LEFOO

LFW70 Explosion-Proof Temperature Transmitter

Product operating instructions

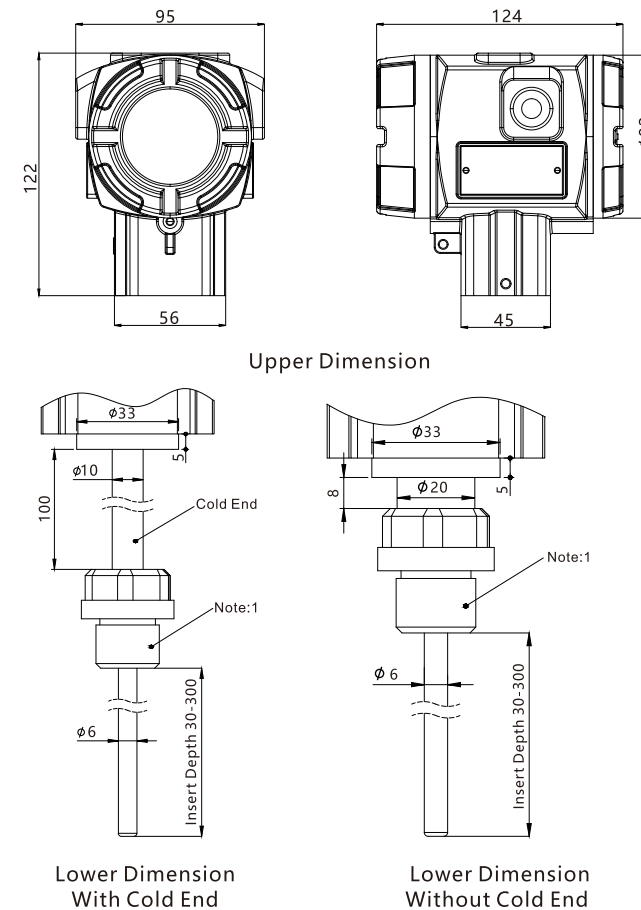


SPECIFICATION

Measuring medium	Liquid or gas, etc. (compatible with the contact material)
Measuring range	-50~300°C (see Order Ref No.)
Output signal	4~20mA/HART/0-10V/RS485
Supply voltage	Voltage/RS485: 15-35VDC Current type: 9.5-35VDC (RL=0Ω)/19.5-35VDC (RL=500Ω)
Output load	≤500Ω (current type), ≥10KΩ (voltage type)
Accuracy	±0.25%FS/±0.5%FS
Working environment	-40~85°C, 0~95%RH (non-condensing)
Shell material	Die-casting aluminum shell, 304 stainless steel probe and casing
Explosion-proof grade	Flameproof type: Ex db IIC T6 Gb Flameproof dust type: Ex tb IIIC T80°C Db
Protection level	IP66 Note: The above protection level is reached when the electrical connection is complete.
Display mode	LCD digital display (-10-60°C)
Net weight	1340g(No probe rod included)

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DIMENSION(mm)



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Note 1

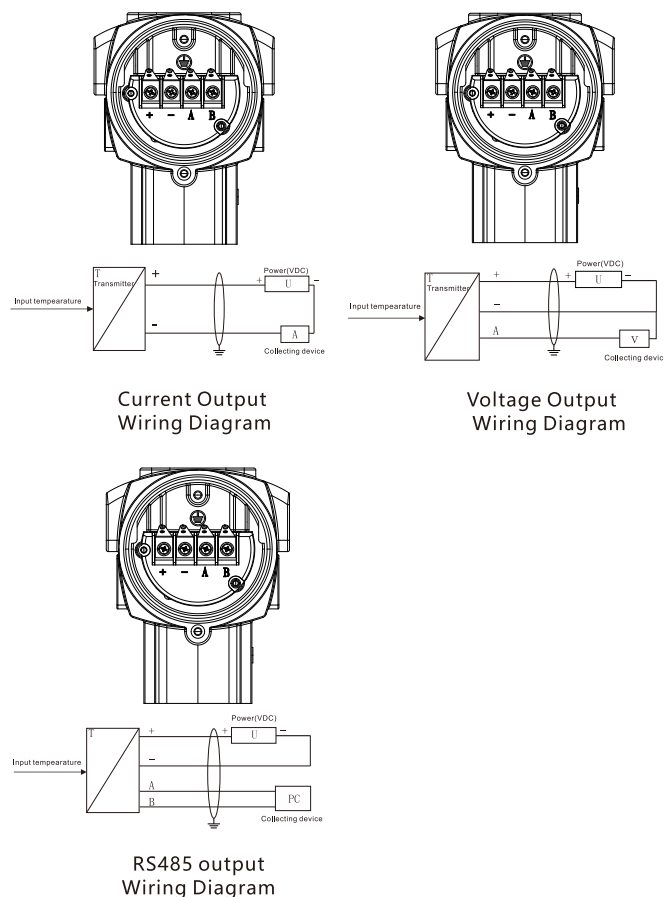
Thread Size				
Thread Spec	M20*1.5	G1/2	G1/4	Clamp 50.5MM

PLUG AND ELECTRICAL INTERFACE

Applicable common type	
Cap	Electrical interface
Material: Nylon	Material: Nylon
Suitable for flameproof type	
Cap	Electrical interface
Material: 304 Stainless steel	Material: 304 Stainless steel

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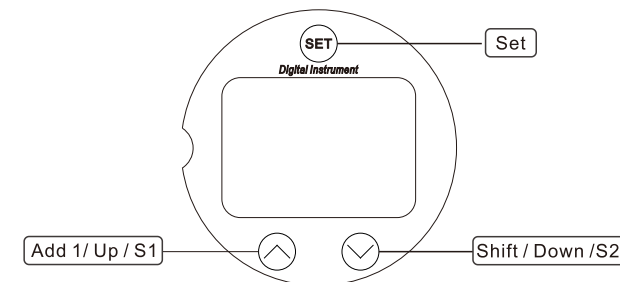
WIRING INSTRUCTIONS



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FUNCTIONS

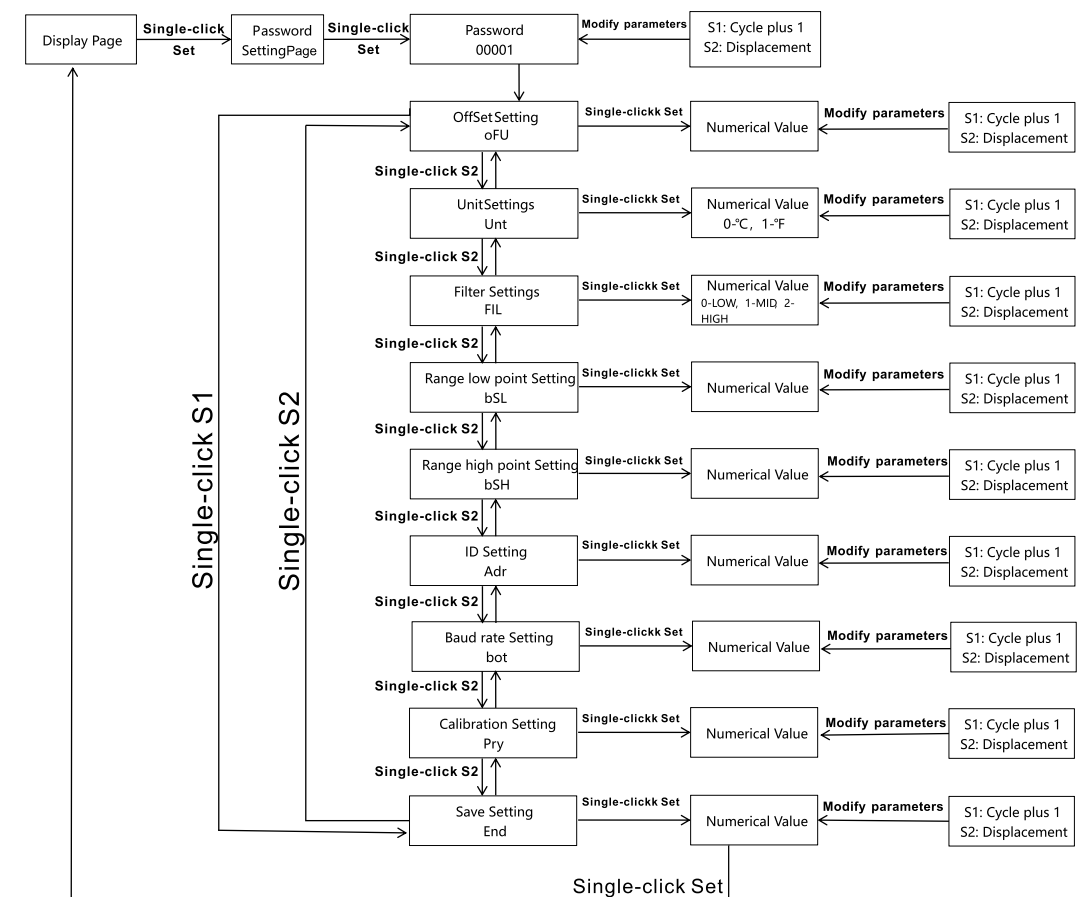
KEY DESCRIPTION



Key	Function Description
SET	In the display interface, double click to enter the password page; In the setting interface, short press to modify or save the current parameter;
S1	In the setting interface, short press to enter the previous parameter setting; In value modification interface, short press to add 1 to the value of the bit to be modified;
S2	In the setting interface, short press to enter the next parameter setting; In value modification interface, short press to make the blinking state move to the next digit;

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BLOCK DIAGRAM OF KEY FUNCTIONS



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PARAMETER SETTING INSTRUCTIONS:

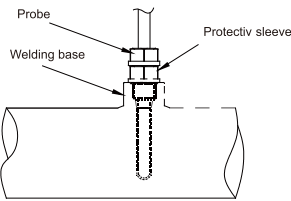
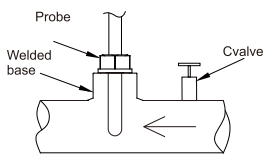
- Offset setting : Modify the current display value directly, modification range ± 1 ;
- Address setting : The setting range is 1-255;
- Baud rate setting : 0-4800, 1-9600, 2-14400, 3-19200, 4-38400, 5-57600, 6-115200;
- Checksum setting : 0-NONE, 1-ODD, 2-EVEN;
- Save setting page : 1-no save, 2-save, 3-reset;
- Save operation after any parameter modification;

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INSTALLATION PRECAUTIONS

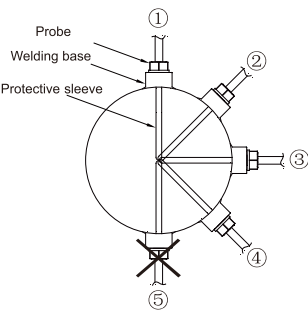
ANALYSIS AND HANDLING OF COMMON PROBLEM

1. In pipeline installation, it is recommended to install a stop valve before the measuring point to facilitate the maintenance and disassembly of the transmitter. In addition, it can play a role in reducing pressure shock when installing pressure measurement for the first time. After waiting for the pressure in the pipeline to stabilize, slowly open the stop valve and start measurement.



2. If conditions permit, it is recommended to install a sleeve. After installing the sleeve, the transmitter can be disassembled without discharging the system pressure.

3. Equipment shall not be installed at the lowest point (⑤) of the pipe or vessel to prevent spillage of the medium. The protection tube shall be inserted to a depth of at least half the diameter of the pipe.



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FAULT	ANALYSIS	SOLUTION
Has no signal output	The product is wired incorrectly or not powered	Correct power supply according to the wiring diagram
Product output is not consistent with the actual temperature	Conversion of temperature is not done according to the range of the product	Convert the temperature according to the range of the product
Product output jumps irregularly	1.Strong environmental interference on site 2.The product is not grounded	1.Use shielded cable 2.Connect the product reliably to earth

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