

Features

- New industrial appearance quick installation design, suitable for quick installation
- Imported sensor, high precision, fast response, good long-term stability
- Large-screen LCD backlight, dual display of temperature and humidity, multiple installation and output modes are optional
- With excellent anti-interference ability and protection function, CE certification, IP65, ROHS



Description

The LFH10 series temperature humidity transmitter is a sensor specially designed for industrial applications. It is specially designed for lightning surge, electrostatic discharge, group pulse, pressure resistance, etc., and has strong anti-interference ability. There are five installation methods: wall mounted, duct/water pipe, split, and clamp. Three output modes of current, voltage, and thermal resistance are optional. Strong on-site trial installation capability. Spring screws and terminal posts are designed for quick installation. It can be widely used in computer rooms, HVAC, buildings, storage and other places where temperature and humidity measurement and control are required.

Specification

1. Relative Humidity

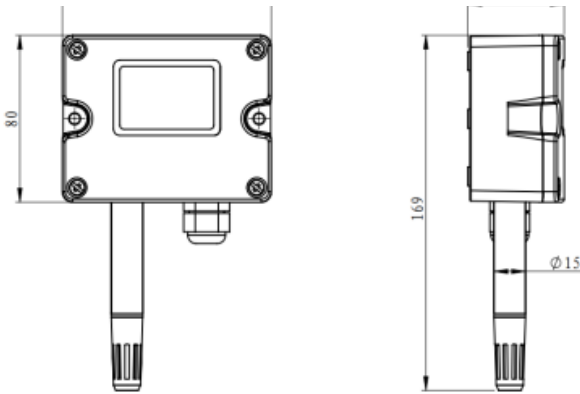
Transducer	Digital
Measuring Range	0%~100%RH
Output	RS485/Modbus, 0~10VDC, 4~20mA optional
Accuracy	±3%@ 25°C & 20~80%RH
Response time	≤10s(25°C, Slow flow air)

2. Temperature

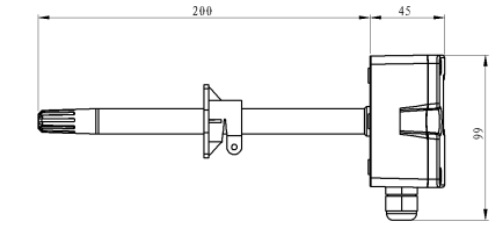
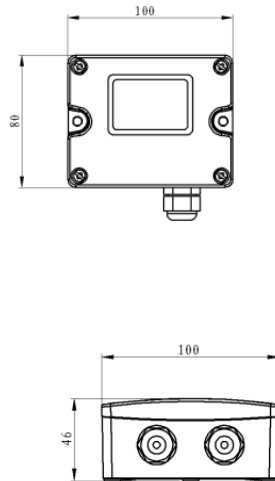
Transducer	Digital or thermal resistance, see selection table	
Measuring Range	0~50°C, -20~60°C.etc.	
Output	4~20mA, 0~10VDC, RS485/Modbus optional	
Thermal Resistance	See selection table and thermal resistance indexing table	
Accuracy	Digital type: ±0.3°C@5~60°C Thermal resistance:typical±0.2~0.4°C@25°C.see selection table	
Power Supply	Voltage type/485 type 15~35VDC/24VAC±20%	Current type:18.5~35VDC (RL=500Ω) /8.5~35VDC (RL=0Ω)
Output Load	≤500Ω(Current type), ≥2KΩ(voltage type)	
Display	LCD display optional, with unit display and backlight (4~20mA without backlight)	
Shell Material	PC housing, PC probe and polymer filter (stainless steel probe and stainless steel sintered filter optional)	
Working Environmen	-20~60°C,5%-95%RH (Non-condensing)	
Protection Grade	IP65	

LFH10 Temperature and Humidity Transmitter LEFOO 力夫

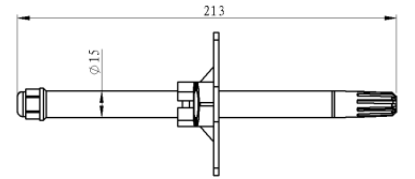
Dimension in: mm



LFH101 Wall-mounted type



LFH102 Ducted type



LFH103 Split type

Model Selection Instructions

Code and description		Remark				
LFH101-	Wall-mounted temperature and humidity transmitter	Model				
LFH102-	Duct type temperature and humidity transmitter					
LFH103-	Split type temperature and humidity transmitter					
	2	$\pm 2\%RH(0.3^{\circ}C)$	Accuracy Range			
	3	$\pm 3\%RH(0.3^{\circ}C)$				
	V10	0~10VDC(Three-wired)	Humidity Output			
	A4	4~20mA(Two-wired)				
	RS	RS485/Modbus				
	V10	0~10VDC(Three-wired)	2	Temperature Output		
	A4	4~20mA(Two-wired)	3			
	RS	RS485/Modbus	4			
	0	PT1000, $\pm 0.2^{\circ}C@0^{\circ}C$	5			
	1	PT100, $\pm 0.2^{\circ}C@0^{\circ}C$	6			
	0	NO	Temperature Range			
	1	0~50 $^{\circ}C$				
	2	-20~60 $^{\circ}C$				
	8	Others (customer specified)				
	0	No display	Display Mode			
	1	LCD display				
LFH101-	3	A4	A4	1	1	Selection example