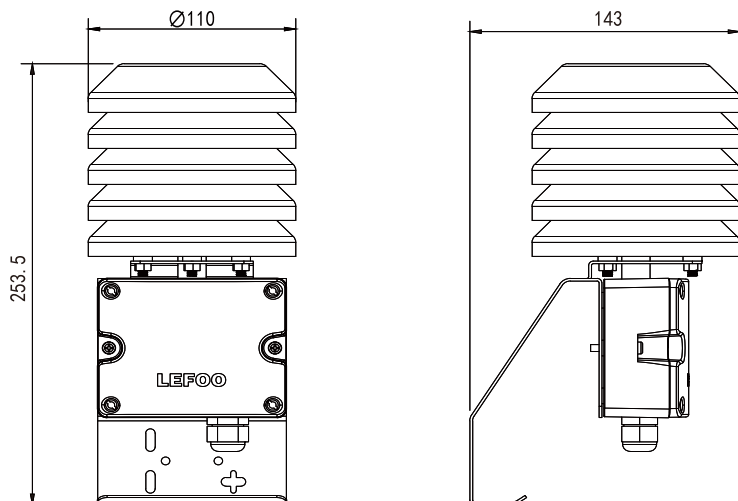




LFH52

Outdoor temperature and Humidity transmitters



LFH52 Temperature and Humidity Transmitter is a Transmitter specially designed for outdoor temperature and humidity detection. The standard radiation shield can prevent wind and rain, and provide the best protection for the transmitter in bad weather. There are three output modes of current, voltage and RS485 to choose. Can be widely used in construction site environment, weather monitoring and other outdoor occasions.

LFH52 Order Ref No Dimension in : mm

LFH52 - 3 A4 A4 2

A B C D

A Accuracy Range	B Humidity Output	C Temperature Output	D Temperature range
3=±3%RH(±0.5°C)	V10=0~10VDC(3-wire)	V10=0~10VDC(3-wire)	0=NO
	A4=4~20mA(2-wire)	A4=4~20mA(2-wire)	1=0~50°C
	RS=RS485/Modbus	RS=RS485/Modbus	2=-20~60°C
		0=PT1000,±0.2°C@0°C	8=Others (customerized)
		1=PT100,±0.2°C@0°C	
		2=NTC20K,±0.4°C@25°C	
		6=NTC10K,±0.4°C@25°C	

Specification

General	Value	
1 Relative humidity		
Sensor	Digital	
Range	0%~100%RH	
Output	RS485/Modbus,0~10VDC,4~20mA	
Accuracy	±3%@ 20°C & 20~80%RH	
Response time	≤10s(20°C,slow air flow)	
2 Temperature		
Sensor	Digital or thermal resistance, see Order Ref No	
Range	0~50°C,-20~60°C etc	
Output	4~20mA,0~10VDC,RS485/Modbus	
Thermal Resistance	See Order Ref No. and Thermal Resistance Indexing Table	
Accuracy	Digital type: ±0.5°C@20°C Thermal resistance type: typical: ±0.2~0.4°C@25°C,see Order Ref No.	
Power Supply	Voltage type/485 type: 15-35VDC24VAC+20% (isolated power supply is required for AC power supply)	Current type:18.5-35VDC(RL=500Ω)8.5-35VDC(RL=0Ω)
Output Load	≤500Ω(Current type), ≥2KΩ(Voltage type)	
Case Material	PCshell,PA6 probe rod,ABS protective cover	
Working Environment	-20~60°C,5%-95%RH(Non-condensing)	
Protection Level	Ip65	