

[Features]

- Wide DC input voltage of 3.6–30V, with ultra-low power consumption of only 0.1W
- High-precision measurement: temperature accuracy $\pm 0.3^{\circ}\text{C}$, humidity accuracy $\pm 3\%$
- RS485 communication interface supporting standard Modbus RTU protocol; data output directly without conversion, enabling easy system integration
- Industrial-grade rugged design: operating temperature -40°C to 85°C , IP54 dust- and water-resistant, suitable for harsh environments
- High stability for long-term operation, maintaining measurement accuracy over extended use

[Applications] Suitable for construction sites, meteorological monitoring, agriculture, and smart city applications.



[Optional Code]

TR485-Code 1

Code 1	Cable Length
N	3 meters
C	3 meters + Quick Connector
Value N	Cable Length
Value C	Cable Length + Quick Connector

[Specifications]

Power Supply	DC 3.6~30V Power Consumption 0.1W	
Operating Environment	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	
Communication Method	RS-485 Modbus RTU	
Housing Material	UV-Resistant ABS	
IP Rating	IP54	
Product Dimensions	188X140/mm	
Mounting Bracket Dimensions	195x90x125.9mm	
Product Weight	$\leq 1.5 \text{ kg}$	
Temperature Specifications	Measurement Range	$-40^{\circ}\text{C} \sim 80^{\circ}\text{C}$
	Accuracy	$\pm 0.3^{\circ}\text{C}$
	Resolution	0.01°C
Humidity Specifications	Measurement Range	0~100%
	Accuracy	+ 3%
	Resolution	0.01%

[Dimension] unit:mm

