

HR6100 Submersible Temperature Transmitter

General

HR6100 submersible temperature transmitter uses imported temperature sensor as sensing element, which could transform RS485 signal by build-in microprocessor. It adopts the same sealing structure of water level transmitter, water-proof cable, 316L stainless steel housing, temperature probe on the front end, which is suitable for some special requirement on installation dimension.

It can measure temperature by submersed into reservoirs, pools, lakes and etc. , to work with water level transmitter to realize automated control.

Features

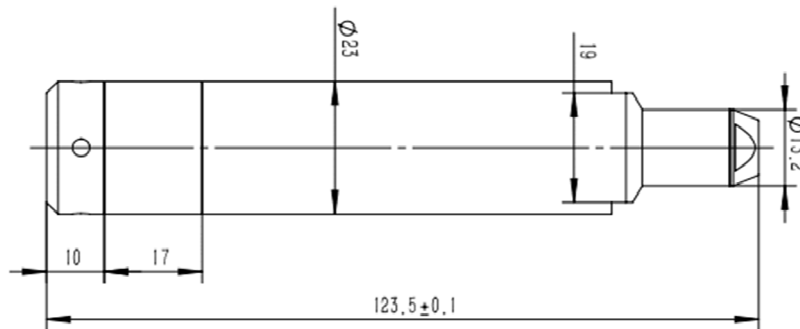
- High accuracy and precision;
- RS485 standard MODBUS-RTU protocol
- Anti-reverse connection, over voltage protection
- 5-30V power supply

Specification

Main performance Specification	
Accuracy	±0.1°C
Resolution	0.01°C
Range	0~50°C
Output frequency	1s

Working temp.	-45~130°C
Storage temp.	-50~150°C
Electrical	
Power Supply	24VDC (5~30V)
Power Protection	(2KV) surge protection
Load	32 node
Output method	RS485 interface; MODBUS-RTU protocol
Construction	
Housing material	304 or 316L stainless steel
Cable material	PVC or PU
Probe Weight	About 100g
Protection level	IP68

Outline Construction



Electrical connections

No.	Color	Definition
1	Red	24V+
2	Blue	RS485+
3	Green	RS485-
4	Yellow	GND

Selection Guide

HR6100	Submersible Temperature Transmitter			
	Range		L(Cable length)	
	[0~X°C] L	Code	Output Signal	
		E	4 ~ 20mA (two-wire)	
		I	0~5VDC	
		J	1~5VDC	
		Q	RS485	
HR6100	[0~60°C] 2	Q		Full model example