BCOT102 Conductivity Controller

Feature

- Using high-performance CPU chip and AD conversion technology and SMT chip technology to complete multi-parameter measurement, temperature compensation, automatic range conversion, high precision and good repeatability.
- Automatic conversion measurement frequency: avoid electrode polarization and improve measurement accuracy.
- Phase sensitive detection design: Eliminate the influence of the wire on the measurement.
- 25℃ conversion: temperature compensation automatic measurement / manual input.
- Alarm function: The alarm signal is isolated and output. The upper and lower limits of the alarm can be set arbitrarily, and the alarm is delayed.
- Industrial Controlled Watchdog: Make sure the meter does not crash.
- Network function: isolated current output and RS485 communication interface. (optional)
- Isolated current output: The upper and lower limits of the current corresponding to the conductivity value can be set arbitrarily.

Main technical parameters

BCOT102 Analyzer parameters	
Power supply	AC220V, 50Hz±1Hz .
Measurement range	Electrode constant $\times$ (0 ~ 2000) μS / cm, 0 ~ 80℃
	0.01 ~ 20μS / cm (with 0.01 electrode);
	0.1 ~ 200μS / cm (with 0.1 electrode);
	1.0～2000μS/cm (with 1.0 electrode);
	10～20000μS/cm (with 10.0 electrode);
Display type	Large screen LCD display (English)
Display information	Conductivity, temperature, proportion of 4~20mA output.
Temperature compensation	Automatic. 0～80℃, Manual 0 ~ 80℃, 25℃ conversion
Conductivity/ Temperature Accuracy	±0.5%F.S. ±0.3℃
Resolution	0.001μS/cm 0.1℃
Galvanic isolation output	4～20mA (load < 750 Ω)
Alarm relay	AC220V, 3A, alarm signal isolation
Communication interface	Isolated RS485 (optional)
Working conditions	Ambient temperature 0～60℃, relative humidity ≤90%
Power down save	＞10years
Protection level	IP65

Application areas: sewage treatment, power generation, aquaculture, schools, pharmaceutical plants, hospitals, fermentation, chemicals, tap water, etc.