

BI-650 Industrial Conductivity Controller



Features

- 1 to 3 points calibration with automatic recognition for conductivity standards
- Selectable cell constant, temperature coefficient and TDS conversion factor
- Automatic temperature compensation ensures accurate readings over the entire range
- Setup menu allows setting the number of calibration points, alarm limits, hysteresis value, 4 to 20 mA output, etc.
- Reset function automatically resumes all settings back to the factory defaults

Optional Conductivity Electrodes

- IE-50LT : Suitable for measuring the pure water (<10µS/cm)
- IE-50MT: Suitable for measuring the general water samples
- IE-50HT : Suitable for measuring the high conductivity liquids (>20 mS/cm)

Ordering Information

BI-650: Controller, IE-50MT industrial conductivity electrode

Specifications

Model		BI-650
Conductivity	Range	0.01~20.00, 200.0, 2000 µS/cm, 20.00, 200.0 mS/cm
	Resolution	0.001, 0.01, 0.1, 1
	Accuracy	±1% F.S.
	Calibration	1 to 3 points (84 uS/cm, 1413 uS/cm, 12.88 mS/cm, 111.8 mS/cm)
TDS	Range	0~10.00, 100.0, 1000 ppm, 10.00, 200.0 ppt
	Resolution	0.01, 0.1, 1
	Accuracy	±1% F.S.
	TDS Factor	0.1~1.0 (default 0.5)
Temperature	Range	0~100°C/32~212°F
	Resolution	0.1°C/0.1°F
	Accuracy	±1°C/±1.8°F
	Offset Calibration	1 point, reading ±10°C
Communication	Signal Output	4~20 mA
	Load	Max. 500 Ω
	Low or High Alarm	0.02 µS/cm~20.0 mS/cm, selectable
	Communication Interface	RS485
	Connection Terminals	Detachable screw terminals
Other Specifications	Temperature Compensation	0~100°C, automatic
	Environmental Conditions	Ambient temperature <60°C, relative humidity <80%
	Power Requirements	DC 24V
	Dimensions	96(L)×96(W)×75(H) mm
	Weight	350 g