

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 20mA output, etc.
- Reset function automatically resumes all settings back to the factory defaults

Optional Conductivity Electrodes

- IE-50LT : Suitable for measuring the pure water (<10 μ S/cm)
- IE-50MT: Suitable for general purpose applications
- IE-50HT : Suitable for measuring the seawater (>20mS/cm)

Ordering Information

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

Specifications

	Model	BI-650
Conductivity	Range	0.01~20.00, 200.0, 2000 μ S/cm, 20.00, 200.0mS/cm
	Resolution	0.001, 0.01, 0.1, 1
	Accuracy	\pm 1% F.S.
	Calibration Points	1 to 3 points (84 μ S/cm, 1413 μ S/cm, 12.88mS/cm, 111.8mS/cm)
TDS	Range	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt
	Resolution	0.01, 0.1, 1
	Accuracy	\pm 1% F.S.
	TDS Factor	0.1~1.0 (default 0.5)
Temperature	Range	0~100 $^{\circ}$ C/32~212 $^{\circ}$ F
	Resolution	0.1 $^{\circ}$ C/0.1 $^{\circ}$ F
	Accuracy	\pm 1 $^{\circ}$ C/ \pm 1.8 $^{\circ}$ F
	Offset Calibration	1 point, reading \pm 10 $^{\circ}$ C
Communication	Signal Output	4~20mA
	Load	Max. 500 Ω
	Low or High Alarm	0.02 μ S/cm~20.0mS/cm, selectable
	Communication Interface	RS485
	Connection Terminals	Detachable screw terminals
Other Specifications	Temperature Compensation	0~100 $^{\circ}$ C, automatic
	Environmental Conditions	Ambient temperature <60 $^{\circ}$ C, relative humidity <80%
	Power Requirements	DC24V
	Dimensions	96(L) \times 96(W) \times 75(H)mm
	Weight	350g