

BI-620 Online pH Controller

Features:

- Economical online pH controller is equipped with an industrial pH electrode.
- 1 to 3 points calibration with auto-buffer recognition.
- Selectable NIST or USA pH buffer options.
- Automatic electrode slope display helps user decide whether to replace the sensor.
- Automatic Temperature Compensation ensures accurate readings.
- Low and high alarm limits can be set and automatically activate an external device.
- 4 to 20mA output signal meets industry standard.
- Manual temperature calibration improves the accuracy of measurement.
- Selectable temperature unit (°C or °F) for different application requirements.
- System menu allows setting the 9 parameters, including the number of calibration points, pH buffer, alarm limits, hysteresis value, etc.
- Reset feature automatically resumes all settings back to factory default options.

Meter Includes:

- IE-20T industrial pH electrode
- pH buffer pouches (pH4.01/7.00/10.01)



Specifications:

Model	BI-620
pH Range	-1.00~15.00pH
pH Accuracy	±0.01pH
Resolution	0.01pH
Calibration Points	1~3 points
Calibration Solutions	USA (pH4.01/7.00/10.01), NIST (pH4.01/6.86/9.18)
Temperature Compensation	0~100°C, 32~212°F
Compensation Mode	Automatic
mV Range	-1000~1000mV
mV Accuracy	±1mV
Resolution	1mV
Temperature Range	0~100°C, 32~212°F
Temperature Accuracy	±1°C
Signal Output	4~20mA
Load	Max. 500Ω
Low and high alarm limits	1.00~10.00pH, Selectable
Communication Interface	RS485
Connection Terminals	Detachable screw terminals
Display	LCD
Environmental Conditions	0~60°C, 32~140°F
Power Requirements	DC 24V
Dimensions	96(L)×96(W)×75(H)mm
Weight	350g

BI-650 Online Conductivity Controller

Features:

- Economical online conductivity controller contains the TDS measurement function.
- 1 to 3 points calibration with automatic calibration solution recognition.
- Selectable cell constant, temperature coefficient and TDS conversion factor.
- Automatic Temperature Compensation ensures accurate readings.
- Low and high alarm limits can be set and automatically activate an external device.
- 4 to 20mA output signal meets industry standard.
- Manual temperature calibration improves the accuracy of measurement.
- Selectable temperature unit (°C or °F) for different application requirements.
- System menu allows setting the 9 parameters, including the number of calibration points, cell constant, alarm limits, hysteresis value, etc.
- Reset feature automatically resumes all settings back to factory default options.

Meter Includes:

- IE-50MT industrial conductivity electrode



Specifications:

Model	BI-650
Conductivity Range	0~20.00, 200.0, 2000 μ S/cm, 20.00, 200.0mS/cm
Conductivity Accuracy	\pm 1% F.S
Resolution	0.01, 0.1, 1
Calibration Points	1~3 points
Calibration Solutions	84 μ S/cm, 1413 μ S/cm, 12.88mS/cm, 111.8mS/cm
TDS Range	0~100ppt (Max. 200ppt, depending on factor setting)
TDS Accuracy	\pm 1% F.S
TDS Factor	0.1~1.0 (Default 0.5)
Temperature Compensation	0~100°C, 32~212°F, Automatic
Temperature Coefficient	0.0~10.0%/°C
Cell Constant	K=0.1, 1, 10
Normalization Temperature	25°C
Signal Output	4~20mA
Load	Max. 500 Ω
Low and high alarm limits	0.02 μ S/cm~20.0mS/cm, Selectable
Communication Interface	RS485
Connection Terminals	Detachable screw terminals
Display	LCD
Environmental Conditions	0~60°C, 32~140°F
Power Requirements	DC 24V
Dimensions	96(L) \times 96(W) \times 75(H)mm
Weight	350g

BI-680 Online Dissolved Oxygen Controller

Features:

- Economical Dissolved Oxygen controller is equipped with a polarographic electrode.
- 1 or 2 points calibration using the air-saturated water and zero oxygen solution.
- Manually salinity and barometric pressure compensation improve the accuracy of measurement.
- Automatic Temperature Compensation ensures accurate readings.
- Low and high alarm limits can be set and automatically activate an external device.
- 4 to 20mA output signal meets industry standard.
- System menu allows setting the 10 parameters, including the measurement unit, number of calibration points, alarm limits, hysteresis value, etc.
- Reset feature automatically resumes all settings back to factory default options.

Meter Includes:

- IE-80T industrial dissolved oxygen electrode
- Electrolyte solution
- Membrane cap



Specifications:

Model	BI-680
Dissolved Oxygen Range	0.0~20.0mg/L (or ppm)
Accuracy	±0.5mg/L
Resolution	0.1mg/L
% Saturation of Oxygen	0.0~200.0%
Accuracy	±10% F.S
Resolution	0.1%
Calibration Points	1~2 points
Calibration Solutions	Saturated anhydrous sodium sulfite solution and air-saturated water
Temperature Compensation	0~40°C, 32~104°F
Compensation Mode	Automatic
Barometric Pressure Correction	60.0~112.5kPa, 450~850mmHg
Salinity Correction	0~35g/L
Signal Output	4~20mA
Load	Max. 500Ω
Low and high alarm limits	1.00~18.00mg/L, Selectable
Communication Interface	RS485
Connection Terminals	Detachable screw terminals
Display	LCD
Environmental Conditions	0~60°C, 32~140°F
Power Requirements	DC 24V
Dimensions	96(L)×96(W)×75(H)mm
Weight	350g