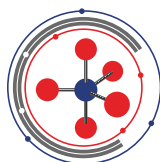


AP-650

Industrial Controller



The **AP-650** industrial controller is the ideal device for continuous monitoring of the PH value or ORP value and temperature in solutions such as thermal power, chemical fertilizer, metallurgy, environmental protection, pharmaceutical, biochemical, food and tap water. The **AP-650** can easily be connected to a computer through the RS485 interface, for monitoring and recording.



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AP-650

Industrial Controller

TECHNICAL DATA

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

CONDUCTIVITY	Range	0.01~20.00, 200.0, 2000µS/cm, 20.00, 200.0mS/cm
	Resolution	0.001, 0.01, 0.1, 1
	Accuracy	±1% F.S.
	Calibration points	1 to 3 points (84uS/cm, 1413uS/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	±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	4~20mA
	Load	Max. 500Ω
	Low or High Alarm	0.02µS/cm~20.0mS/cm, selectable
	Communication interface	RS485
	Connection terminals	Detachable screw terminals
OTHER SPECIFICATION	Temperature compensation	0~100°C, automatic
	Environmental conditions	Ambient temperature < 60°C, relative humidity < 80%
	Power requirements	DC24V
	Dimensions	96 x 96 x 75mm / 3.8" x 3.8" x 3"
	Weight	350g / 12.3oz
	Warranty	1 year

ACCESSORIES INCLUDED:

- Industrial conductivity electrode
- Power adapter

