

PC2000 SERIES CONTROLLER



GENERAL DESCRIPTION

Potence Controls PC 2000 series is the most Versatile Controller with a wide range of useful features and programmable options all of which are easily accessible via membrane keypad. This multichannel controller operates either with 1no. or 2nos. of sensors eliminating need for variety of dedicated controllers. The Controller is suitable for use by both OEMS and End Users alike. The simple keypad and logical menu structure make this Multi Controller easy to use. All stored parameters and calibration data are retained in the Non-volatile memory during Power failure. All these and several more features make this Universal Controller very useful product for both OEMS and End Users alike.

STANDARD FEATURES

- Cost Effective.
- Multi-channel controller hence reducing inventory holding costs and providing an inexpensive option to add a second sensor at a later time.
- Select one or two conductivity inputs or combine conductivity and pH/Redox (ORP) in one analyzer.
- High visibility, backlit display and guided calibration procedures reduce operator error.
- Non Volatile Memory.
- Panel; Pipe and Wall Mount, NEMA 4X, IP65 Housing.

SPECIFICATIONS

PC 2000 Universal Controller General Specifications:

- Display : Graphics display backlighting
- Power Requirements : 100 – 240 VAC $\pm 10\%$, 50/60 Hz
- Analog Output Signal : Two Nos. 4-20 mA isolated current outputs, max 600 Ω
- Relays: Four Nos. electromechanical SPDT
- Digital Communication : MODBUS RTU RS485
- Mounting Configurations: Wall, Panel and Pipe mounting
- Enclosure Rating: NEMA4X / IP65
- Conduit Openings : 1/2" NPT Conduit

PC2000 Universal Controller for Analog pH/ORP Sensors INPUT:

- Measuring Range : pH : 0.00 to 14.00 pH
ORP : -2000 to 2000 mV
- Resolution : pH : 0.01pH
ORP : ± 1 mV
- Temperature Compensation : Automatic or manual (For pH Input)
- Temperature Input (For pH) : Pt100/Pt1000: -15 to 150°C (-5 to 302°F)
- Calibration Methods :
 - 3-point buffer (pH only)
 - 2-point buffer (pH only)
 - 1-point sample (pH or ORP)

PC2000 Universal Controller for Conductivity Sensors INPUT:

- Measuring Range :
 1. Conductivity : $\mu\text{S/cm}$: 0.00-20.00, 0.0-500.0,0-2000
 mS/cm : 0.00-50.00 or 0.0-200.0
 2. TDS : ppm : 0.00-20.00, 0.0-500.0,0-2000
ppt : 0.00-50.00 or 0.0-200.0
- Resolution: Conductivity / TDS: As per Range Set.
- Temperature Compensation : Automatic or manual
- Temperature Input : Pt100/Pt1000: -20 to 200°C (-4 to 392°F)
- Calibration Methods : Zero and 1-point sample

Ordering information

Part No.	Description
PC 2001s	Single Channel pH Controller
PC 2002s	Single Channel Conductivity Controller
PC 2011s	Dual Channel pH Controller
PC 2022s	Dual Channel Conductivity Controller
PC 2012s	Dual Channel pH and Conductivity Controller