



BONDERITE® E-CO GUARD

The **BONDERITE® E-CO GUARD** is a multi-channel process control unit and is the primary module of Henkel's North American control system. Designed for the control of cleaners, rinses and treatments, it has two individual sensing and control loops that may be configured for electrodeless conductivity, contact conductivity, ORP, pH, temperature control and more. This unit provides the highest quality, cost-effective, concentration control available to the finishing industry. The chemical resistant, polycarbonate enclosure meets Nema 4X requirements. Installation is easy and maintenance requirements are minimal.

The E-CO GUARD process set-points and alarm limits are easily adjusted via the internal control panel and monitored on the LCD display.



Features

- › Datalogging
- › Full color touchscreen
- › On screen graphing of readout values
- › Multiple language support
- › Wall mount enclosure for easy installation
- › Optional ethernet connectivity
- › Optional Modbus TCP for connection to existing PLC or SCADA systems
- › USB port for data / configuration export



Contact us to learn more

Product Specifications

Product

BONDERITE® E-CO GUARD

Enclosure	Nema 4X
Operating Temperature Range	-4° to 122°F (-20-50°C)
Dimensions	11.1" x 8.3" x 5.5" (W x H x D)
Humidity Range	10-90% non-condensing
Power Requirements	100-240 VAC 50/60 Hz.
Sensor Configurations Available	Any combination of Conductivity, pH, ORP, Temperature, and 4-20mA inputs*, up to a total of two control channels
Sensor Cable Length	15 ft. (Extension kits available for all sensors)
Sensing Options	› pH, 0-14pH › Electrodeless Conductivity (mS/cm) › Contact Conductivity (uS/cm) › ORP (±2000mV) › Any other sensor outputting a 4-20mA input signal (i.e. temperature, level, RI, etc.) › Any isolated dry contact (i.e. relay, reed switch, flow meter, etc.)
Electrical Certification	› UL 61010-1:2012 3rd Ed + Rev:2019 › CSA C22.2 No. 61010-1:2012 3rd Ed. + U1; U2 › IEC 61010-1:2010 3rd Ed. + A1:2016 › EN 61010-1:2010 3rd Ed. + A1:2019 › BS EN 61010-1:2010 + A1:2019

Input / Output

Inputs	› 2 input module slots › 6 discreet (digital) inputs
Outputs	› 2 powered relay (fused together, 6A fuse) › 4 dry contacts (unfused) › Optional: 2 4-20mA isolated outputs

Module Types

Input	› Sensor Input Module (1, sensor) › Dual Analog Input Module (2- 4-20mA Inputs)
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