



These days creating added value involves more than just an excellent product profile. You also need a partner who understands your business and your products, and who can develop new production techniques, optimise processes and design customised solutions.

A partner who is able to contribute in a real way to creating durable value: Henkel is the world leader in the adhesives, sealants and surface treatment markets. Drawing upon our unique and complete product portfolio, you benefit from our experience and the guarantee of the highest level of process reliability. **BONDERITE®** devices satisfy specific industry and maintenance requirements.

BONDERITE® E-CO ST4 is a modular system device that can be used to measure up to four different, independent variables, including:

- pH measurement
- contact conductivity measurement
- conductivity measurement with inductive technology (free maintenance)

In the two standard configurations, designed for cycle control with four active zones or cycle control with three active zones plus washing with demineralised water, coupled with VCL or VMS-MF electronic dosing pump, this system is one of the most advanced there is in terms of control and dosing of concentrated products in pre-painting treatment of metals.

All calibration and parameter settings are carried out by pressing the lexan buttons on the front: it no longer works via trimmer, therefore the level of protection of the device is higher than the traditional standard.

Output connections are configurable by the keypad, as are the set points, maximum alarms, minimum alarms, the PWM, and pulse output.

A special, password protected menu allows measures to be converted into arbitrary scales, for example: conductimetry in % of product.

The keypad can be used to set timed washing cycles of the pH electrode. The BONDERITE® E-CO ST4 is enabled to interface with Digilog® 8.02, the new data collection system.

#### TECHNICAL CHARACTERISTICS

**Size:** 300X260X120 mm

**Weight:** 2,5 Kg

**Display:** Backlit alphanumeric LCD, two 16-character lines

**Relay output:** Four, for ON-OFF and PWM regulation for each of the four measurements.

Four, configurable as alarm (NC)

One, configurable as self-cleaning (NC)

**Outputs:** Two, 0-20 or 4-20 mA

**Serial connection:** RS 232

#### BOX

The BONDERITE® E-CO ST4 is in ABS plastic housing to meet IP65 standard.

#### OPERATING ENVIRONMENT

0°C ÷ 40°C (32°F ÷ 104°F)

0 ÷ 95% (no condensation) relative humidity