



# ELIGERE 01 CD COOL

## Measure and control instruments

Eligere 01 CD Cool is an electrical conductivity measurement and control instrument, specifically designed for cooling towers.

The programming menu contains functions specifically designed for this application, while a wide graphic display and a user-friendly navigation menu make it a very simple product for the end users.

### GENERAL FEATURES

- Backlighted graphic display 128x64 pixel.
- Four control keys for instrument calibration and configuration.
- Universal Power Supply 100-240 Vac 50/60 Hz – 5W - or 12-24 Vdc/Vac.
- Temperature measurement with PT100 probe with automatic or manual temperature compensation.
- 4 independent relays: purge, inhibitor dosing, 2x biocide dosing.
- 4 set points: direct or reverse function, direct or reverse dosing; ON/OFF, timer and proportional mode (PWM).
- Relay for MIN and MAX alarm.
- Integral timer for start/stop of the instrument.
- Flow sensor input.
- Pulse water meter input.
- 3 input for level probe for chemical product tank (inhibitor, 2x biocide).
- Case: 229x204x118, ABS, IP65 wall mounted.



**Discharge solenoid valve (SV) control**, both with conductivity value and in timer mode.

**Inhibitor dosing control**, direct (SV opening) or %purge (last SV opening) or via internal timer, with the possibility of proportional dosing via water-meter pulse sender.

**Biocide dosing control**, with the possibility of controlling two dosing pumps for the biocide with two dosing programs; timed programming with 99 programs for each biocidal product; possibility of blocking pumps during water discharge (solenoid valve open).



## TECHNICAL FEATURES

Functions	Measure range	Relay	Hysteresis	Delay	Outputs	PT100
Conductivity (+ temperature), timer	K1 up to 20.00 mS; K5 up to 2.000 $\mu$ S; K10 up to 200 $\mu$ S	5 A - 230 V, free contact	Programmable on setpoint value	Programmable with setpoint value to close or open the relay contact; max 999 sec	n.2 0/4-20 mA, signals programmable from the user 500 ohm maximum load impedance, with galvanic separation (conductivity)	Resolution:: 0.1 % °C Precision: $\pm$ 0.5% °C; Range: 0-100
	Temperature 0...100 °C (o °F)					

## CODES

Code	Description
CXB5118101	Eligere 01 CD-COOL 100/240 V
CXB5118201	Eligere 01 CD-COOL 12/24 V

## DIMENSIONS

