



Cooling Tower Controller CTC

The Cooling Tower Controller enables automatic bleed off of excessive total dissolved solids and the addition of Inhibitor and Biocide chemicals. This is a practical and economical way to solve cooling tower problems. A sample is drawn from the cooling tower water and diverted through a sampling manifold.

- **Conductivity:** A conductivity reading is taken - when this reading is higher than the level set, the auxiliary output opens a solenoid valve drawing off polluted water from the cooling tower. This solenoid valve will close when the conductivity value is equal to the set point.
- **Inhibitor:** An Inhibitor dosing pump for the re-integration of make up water is connected to a water meter with pulse emitter.
- **Biocide:** The Biocide dosing pump is time controlled and is activated by a daily/weekly electronic timer.

Standard power supply: 110VAC, 50-60Hz single phase

Upon request: 230VAC

Housing: ABS with polycarbonate transparent cover

Protection: IP65

Weight: 6Kg

Overall dimensions: 300mm x 310mm x 180mm

Complete system includes Digital Controller for Cooling Tower Conductivity, two dosing pumps, Digital Timer, Conductivity Sensor and Temperature Sensor.



Specifications

Cooling Tower Controller	
Microprocessor Conductivity Meter	
Measuring Range	0-2.000 or 0-20.000 μ S. 2 Set point adjustment
L.E.D. indicators	inhibitor pump active; auxiliary output active.
Temperature compensation	0-100°C (Automatic compensation available upon request)
Relay output	110V; 5A resistive load
Repeatability	0.1%
Resolution	10 μ S (0-20.000) 1 μ S (0-2.000)
Biocide Pump controlled by a timer	
Max flow and pressure	5 l/h @ 10 bar
Program setting	daily, weekly, reset
Stroke length	fixed
Pulse frequency	max 100 per minute
Suction height	1.5 m
Comprised of	1 off flexible PVC suction hose, transparent crystal type, length 2m; 1 off semirigid polyethylene hose, length 2m, 1 injection valve, 1 bottom filter
Conductivity probe	1/2" Gm, in-line type, 3m moulded cable
CD probe material	PTFE body with Stainless Steel electrodes
Temperature range	0-100°C
Inhibitor Pump	
Max flow	10 l/h @ 5 bar
Stroke length	fixed
Pulse frequency	max 100 per minute
Suction height	1.5 m
Comprised of	1 off flexible PVC suction hose, transparent crystal type, length 2m; 1 off semirigid polyethylene hose, length 2m; 1 injection valve; 1 bottom filter

Ordering Information

ITEM	DESCRIPTION
CTC-0510	Cooling Tower Controller

