



Model MO5-CT-CDRH Cooling Water Controller.



The MO5-CT-RHCD is a microprocessor based controller designed for precise measurement and control of an evaporative cooling tower. Featuring a compact custom designed and manufactured surface mounting housing in corrosion resistant ABS to IP65 standard with a separate terminal housing.

The MO5-CT-RHCD features biocide dosing by 7, 14 or 28 day real time clock, Oxidising biocide dosing by redox (ORP) control which maybe on /off or by time proportional control allowing the use of a standard dosing pump or solenoid valve for brominator control, TDS control by conductivity controller with bleed limit timer. Water meter input for make up water flow so the feed water flow can be totalized. There is a common alarm relay for any of the alarms.

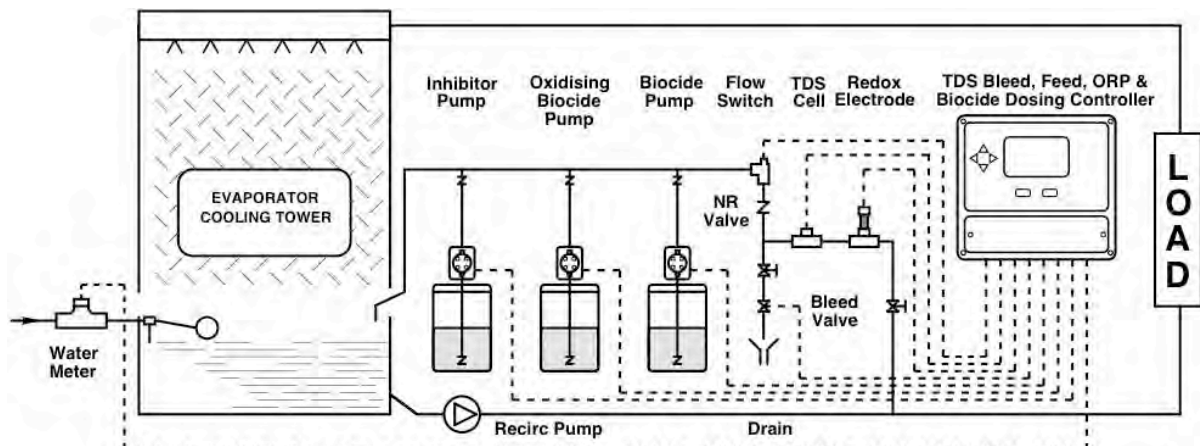
Two analogue current outputs of 4 – 20 mA available for connection to BMS monitoring systems one for conductivity and redox millivolt potential.

Optional data logging via SD card which can be down loaded to MS to produce tabular or graphic data. Mains supply is 100 to 240 VAC 50/60 Hz by built in switch mode power supply allowing use in many overseas locations and reducing inventory levels.



- * Real Time Clock
- * ORP Controlled Oxidising Biocide
- * Optional Flow Sensor
- * 7, 14 or 28 Day Biocide Timers
- * Conductivity TDS Controlled Bleed
- * Flow Proportional inhibitor Dosing
- * Bleed Lockout Facility
- * IP65 Housing.

Typical Installation



Specifications

Biocide Dosing
Oxidising Biocide Dosing

Inhibitor Dosing
Bleed
Bleed lockout
Bleed Limit
Inputs
Alarm Relay

Housing
Modem
Data logger
Mains supply
Power consumption
Dimensions
Weight

FL3 10 Cell

Materials of construction.
Max temp & max. Pressure
Connections.
Mounting FL3.

Measuring range
ATC.

RES1 Redox Electrode

Materials of Construction
Max. Temp.
Max. Pressure

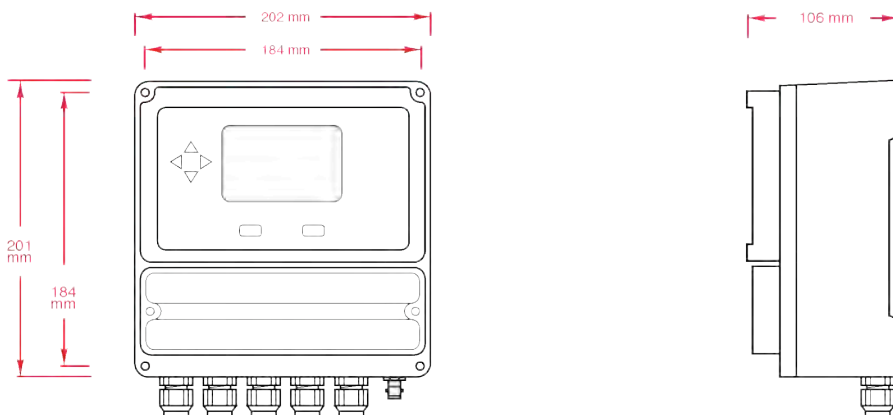
MO5-CT-CDRH

By 7, 14 or 28 Real time clock
By Redox mV control either On/Off or time percent proportional control
Flow proportional to makeup water via water meter
By μ S controller with adjustable set point and hysteresis
Adjustable timer starts after dosing biocides
Adjustable timer stops bleed after preset time.
Chemical low level & Sample flow
Operated by low chemical level, No sample flow
Bleed limit timer & Conductivity or mV.
ABS. To IP65.
Optional - Allowed to GSM modem connection
Optional - Fitted internal slot for SD card
100 -240 volt 50/ 60 Hz. switch mode power supply
10VA
202 x 184 x 106 mm
1250 grams

P.V.C. and Carbon.
50^o C, & 3 Bar at 20^o C.
2m LMK4 Connecting cable.
3/4" solvent weld on "Tee"
Or 1/2" B.S.P. female threads to be specified
Limited to 20,000 μ S k = 1.0.
Mounted into the cell to suit the instrument

PVC epoxy resin glass & platinum
PVC. 50^o C
3 Bar at 20

Dimensions



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