



## Model MO5-CT-CD Cooling Water Controller.



The MO5-CT-CD 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-CD features dual biocide dosing by 7, 14 or 28 day real time clock, with two channels providing timing to the nearest minute.

These timers allow complete freedom to dose either product independently any day any time of the day or night to the nearest minute.

The TDS is controlled by an electrolytic conductivity controller and conductivity measuring cell to an easily adjusted preset value over a range of 0 – 20.00 mS which is equivalent to approximately 14,000 PPM TDS. With bleed limit timer which is operated when dosing biocide to prevent the treatment being wasted should the system happen to call for bleed during the dosing cycle.

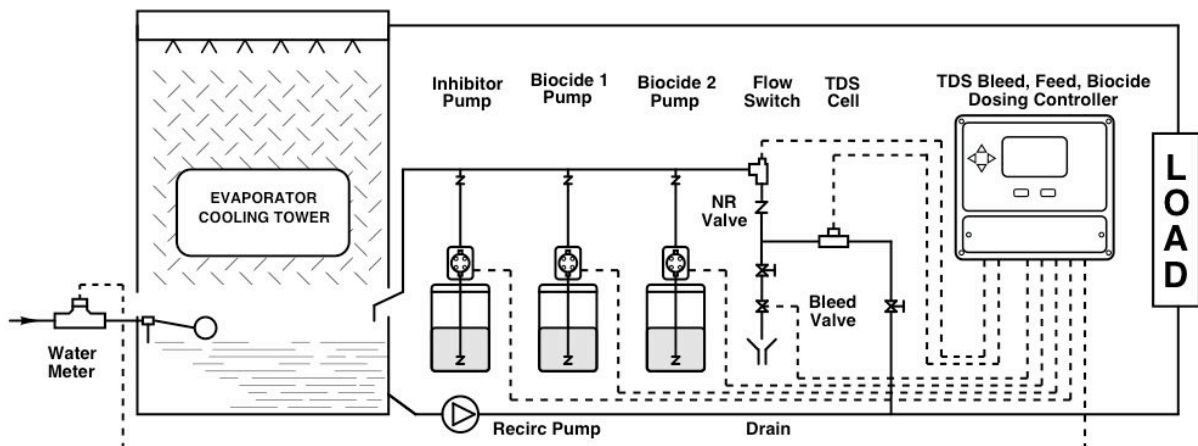
Water meter input for make up water flow so the feed water flow can be totalized. There is a common alarm relay for any of the alarms.

An analogue current output of 4 – 20 mA available for connection to BMS monitoring system for conductivity. 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.



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

### Typical Installation



## Specifications

Biocide 1 Dosing  
Biocide 2 Dosing  
Inhibitor Dosing  
Bleed  
Bleed lockout  
Bleed Limit  
Inputs  
Alarm Relay

Housing  
Modem  
Data logger  
Mains supply  
Power consumption  
Dimensions  
Weight

### FL3 10 Cell

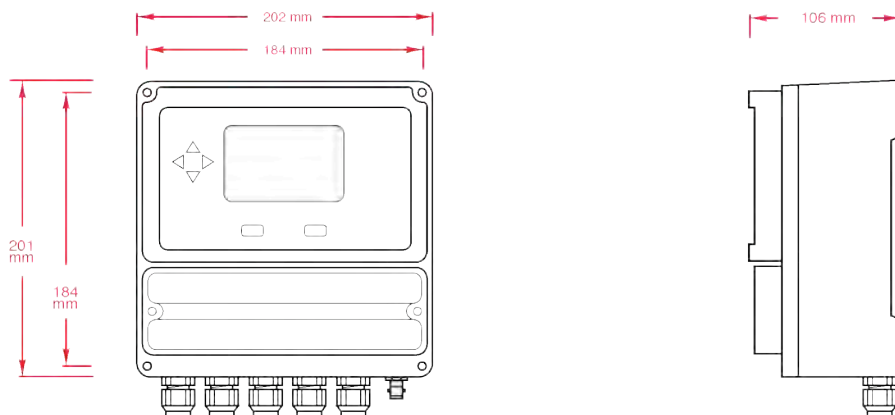
Materials of construction.  
Max temp & max. Pressure  
Connections.  
Mounting FL3.  
  
Measuring range  
ATC.

### MO5-CT-CD

By 7, 14 or 28 Real time clock  
By 7, 14 or 28 Real time clock  
Flow proportional to makeup water via water meter  
By  $\mu\text{S}$  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  
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<sup>o</sup> C, & 3 Bar at 20<sup>o</sup> 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 $\mu\text{S}$  k = 1.0.  
Mounted into the cell to suit the instrument

## Dimensions



Jan 2012