

The MicroTrac is a microprocessor based feed and bleed toroidal conductivity controller designed to control conductivity and feed inhibitor in cooling tower systems. Featuring innovative toroidal sensor technology, the MicroTrac provides an economical control platform that is not susceptible to sensor fouling and never requires calibration! The MicroTrac toroidal conductivity sensor is factory calibrated for the life of the probe eliminating routine calibrations saves you valuable service time and money. By design, the MicroTrac toroidal conductivity sensor has no exposed electrodes, which means that there is nothing to wear out or foul. When installed according to the manufacturer's instructions, the need for routine sensor removal and cleaning is virtually eliminated.

The MicroTrac measures the conductivity of the cooling tower recirculating water via a toroidal conductivity sensor. The controller activates two independent relay outputs based on bleed and a selectable feed mode of operation. The MicroTrac conductivity controller has a 0 - 9,999 $\mu\text{S}/\text{cm}$ range, making it ideal for other applications as well, such as rinse, industrial process, wastewater, etc.

Features

- Selectable rising or falling setpoint for open or closed loop control.
- Water meter pulse timer.
- Percent timer.
- % post bleed timer.
- Limit timer.

Controls



Timers

- Water Meter Pulse Timer
- Percent Timer
- % Post Bleed Timer
- Limit Timer

Operating Benefits

- Easy to use.
- No calibration required.
- Reduced potential for fouling.
- Easy Installation.
- Two year warranty.
- Large range: 0 – 9,999 $\mu\text{S}/\text{cm}$.
- Simple user interface.



Aftermarket

- Solenoids
- Motorized Ball Valves
- Water Meters
- Corrosion Coupon Racks
- Metering Pumps (PULSAtron, XP Series)



MicroTrac
Cooling Tower Controller

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MicroTrac Cooling Tower Controller

Specifications and Model Selection

MicroTrac Selection Guide		MTC	-	-	-	-	-
PRODUCT DESIGNATOR Position 1, 2 & 3	MTC = MICROtrac Toroidal Conductivity Cooling Tower Controller						
VOLTAGE Position 4	1 = 115 volt 2 = 230volt (no prewired power cord or relays available)						
RELAY & POWER WIRING Position 5	X = Prewired power cord & Liquid-Tight relay connections L = Liquid-Tight connections only (required for 230 volt) P = Prewired power cord and relays						
SENSOR TEE Position 6	X = Standard (no tee) T = Sensor Tee with 3/4" inlet/outlet connections						
FLOW SWITCH Position 7	X = Standard (no flow switch) F = Flow Switch with 3' cable L = Standard Flow Assembly (no panel) A = Standard Panel & Flow Assembly B = Deluxe Panel & Flow Assy, 1 Pump Mount, in/out ball valves, strainer, inj tee & rails						
SUFFIX CODE Position 7, 8 & 9	XXX = Suffix Code 750 = 3/4" Back Flow Check Valve PC025 = 25 Feet (7.6m) PC050 = 50 Feet (15.2m) PC075 = 75 Feet (22.8m) PC100 = 100 Feet (30.4m)						

Engineering Data Controller

Enclosure:	NEMA 4X / IP65
Power Supply:	90VAC / 50/60Hz / 5A 250 VAC / 50/60Hz / 5A
Control Output:	Line Voltage @240VA per Relay (2 Amps @ 120VAC)
Display:	LCD
Set Point Range:	0 – 9,999 µS/cm
Set Point Differential (Hysteresis):	Fixed 5% below the set point

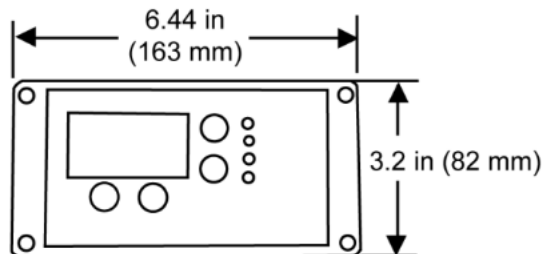
Engineering Data Sensor

Maximum Temperature:	122°F / 50°C
Temperature Compensation Range :	32°F - 122°F / 0°C - 50°C
Maximum Pressure:	125 PSI (8.6 BAR)
Sensor Type:	Toroidal
Cable Length, Standard:	15' / 4.5m
Cable Length, Maximum:	100' / 30.5 m
Thread Size:	0.5" Standard thread-Excludes Tee and Reducer
Maximum Outside Diameter:	1.5" / 38mm-Excludes Tee and Reducer
Materials of Construction:	Virgin Polypropylene

Engineering Data Flow Switch

Maximum Temperature:	122°F / 50°C
Maximum Pressure:	125 PSI (8.6 BAR)
Activate Flow Rate:	Approximately 1 GPM / 3.78 LPM
Materials of Construction:	PVC and Glass filled Polypropylene

Dimensions



Custom Engineered Designs – MicroVision Panel Mount



Systems

Pulsafeeder's MicroVision Systems are designed to provide complete chemical feed solutions for all electronic metering applications. From stand alone simplex pH control applications to full-featured, redundant sodium hypochlorite disinfection metering, these rugged fabricated assemblies offer turn-key simplicity and industrial-grade durability. The UV-stabilized, high-grade HDPE frame offers maximum chemical compatibility and structural rigidity. Each system is factory assembled and hydrostatically tested prior to shipment.