

MicroVision

Cooling Tower Controller



MicroVision Conductivity Cooling Tower Controller

Standard with Toroidal Sensor Technology!

The **MicroVision** is a microprocessor-based conductivity controller with selectable timer and dual biocide control. Designed specifically for cooling tower applications, **MicroVision** comes standard with the features and functions you need for accurate monitoring and control of cooling tower water. The **MicroVision** is a full function controller in a compact package that won't break your budget! Check out these features:

- Toroidal conductivity sensor
- Large graphical display with large, easy to read font
- Statistics screen with relay run time
- Selectable timer (limit, %, % post bleed with limit, and water meter)
- Dry contact/Hall Effect water meter input
- Dual biocide with pre-bleed, lockout, inhibitor interface, and four programmable start times per biocide
- Flow switch input
- (3) drum level inputs
- 4-20 mA isolated analog output
- Dry contact alarm output
- Bleed output supports solenoid valve or motorized ball valve
- Battery backup



Operating Benefits

- **Easy to use.** Simple user interface and large graphical display means easy and intuitive set-up and programming.
- **No need to recalibrate.** **MicroVision's** toroidal sensor technology saves you valuable service time and money by eliminating routine calibrations.
- **Reduced potential for fouling.** By design, the **MicroVision's** toroidal sensor has no exposed electrodes, which means that there is nothing to wear out or foul.
- **Easy installation.** With pre-wiring and panel mount options, installation is quick and easy.
- 2 year warranty
- Large range: 0 – 9,999 μ S
- Compact size saves space and reduces freight costs

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MicroVision Model Selection

MicroVision Selection Guide		MVS	-	-	-	-
PRODUCT DESIGNATOR Position 1, 2 & 3	MVS = <i>MicroVision</i> Toroidal Conductivity Cooling Tower Controller					
VOLTAGE Position 4	1 = 115 volt 2 = 230 volt (no prewired power cord or relays available)					
RELAY & POWER WIRING Position 5	P = Prewired w/Power Cord and Pigtails for 115 VAC X = Liquid Tite connections only (required for 230VAC)					
PANEL Position 6	X = No panel or Flow Assembly F = 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 C = Deluxe Panel & Flow Assy, 2 Pump Mounts, in/out ball valves, strainer, inj tees & rails D = Deluxe Panel & Flow Assy, 3 Pump Mounts, in/out ball valves, strainer, inj tees & rails					
SUFFIX CODE Sensor Cable Length Position 7 thru 11	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)					

MicroVision Specifications

Controller Specifications

Enclosure	NEMA 4X / IP65
Dimensions	4.73" x 2.28" x 3.15" (120 x 58 x 80 mm)
Power supply	120VAC / 5A or 230 VAC / 5A
Control Output	2 amps per relay
Display	LCD
Set Point range	0 - 9,999 μ S
Languages	English, Spanish and Portuguese

Sensor Specifications

Maximum Temperature	125°F (52°C)
Temperature Compensation Range	32 - 125°F (0 - 52°C)
Maximum Pressure	125 psi (8.6 BAR)
Sensor Type	Toroidal
Cable Length, Standard	15' (4.5 m)
Materials of Construction	Virgin polypropylene



An ISO Certified Company



A Unit of IDEX Corporation



MVS001 E08

NOVA-TECH
INTERNATIONAL

800 Rockmead Dr Ste 102 • Houston, TX 77339-2496
Tel: (281) 359-8538 • Toll Free Tel: (866) 433-6682
Fax: (281) 359-0084 • Toll Free Fax: (866) 433-6684
sales@novatech-usa.com • www.novatech-usa.com