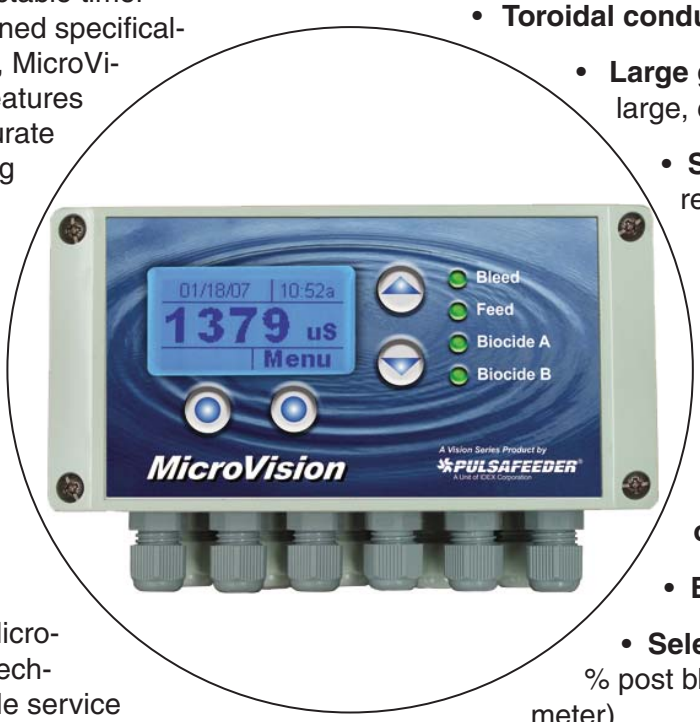
MicroVision
Cooling Tower Controller

PULSAFEEDER®
A Unit of IDEX Corporation

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!



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 µS
- Compact size saves space and reduces freight costs

Key Features

- **Toroidal conductivity sensor**
- **Large graphical display** with large, easy to read font
- **Statistics screen** with relay run time
- **Flow switch input**
- **(3) drum level inputs**
- **4-20 mA isolated analog output**
- **Dry contact alarm output**
- **Battery backup**
- **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
- **Bleed output** supports solenoid valve or motorized ball valve

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MicroVision Model Selection

***MicroVision* Selection Guide**

MVS _ _ _ - _ _ _ _ _

PRODUCT DESIGNATOR Position 1, 2 & 3	MVS = *MicroVision* 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 Assemby 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 / IP67
Dimensions	6.44" x 3.2" x 3.2" (163 x 82 x 82 mm)
Power supply	120VAC / 5A or 220 VAC / 5A; 50/60Hz
Control Output	2 amps per relay
Display	LCD
Set Point range	0 - 9,999 µS
Languages	English, Spanish and Portuguese

Sensor Specifications

Maximum Temperature	122ºF (50ºC)
Temperature Compensation Range	32 - 122ºF (0 - 50ºC)
Maximum Pressure	125 psi (8.6 BAR)
Sensor Type	Toroidal
Cable Length, Standard	15' (4.5 m)
Materials of Construction	Virgin polypropylene

NEMA 4X

An ISO Certified Company

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