

# MicroVision<sup>EX</sup>

## Cooling Tower Controllers

### MicroVision<sup>EX</sup> Series

MicroVision<sup>EX</sup> is a microprocessor-based conductivity, pH and ORP controller, with the features and functions you need for accurate monitoring and control of cooling tower water that won't break your budget!

#### Features

- Toroidal conductivity sensor.
- One-point calibration.
- Large easy to read color display.
- Lockable front cover.
- Multiple level security codes.
- Up to 10 digital inputs.
- Optional 4-20 mA analog outputs.
- Dry contact alarm output.
- Battery backup.
- USB data logging is standard:
  - Up to 2 years of data logging.
  - Upload/Download program settings.
  - Upgrades to the Operating System.
- Optional Ethernet interface.



Model #	Control Parameters	Programmable Timers	Flow Switch	Panel Mounted	Pump Mounts	Digital Inputs	USB
MVECXXXPX-XXX-XXX	Conductivity control	3	No	No	0	5	YES
MVECXXXPF-XXX-XXX	Conductivity control	3	Yes	No	0	5	YES
MVECXXXPA-XXX-XXX	Conductivity control	3	Yes	Yes	0	5	YES
MVECXXXPD-XXX-XXX	Conductivity control	3	Yes	Yes	1 to 3	5	YES
MVEC5XXPF-XXX-XXX	Conductivity control	4	Yes	No	0	5	YES
MVEC5XXPA-XXX-XXX	Conductivity control	4	Yes	Yes	0	5	YES
MVECXXPF-XXX-XXX	Conductivity and pH	6	Yes	No	0	10	YES
MVECXXPA-XXX-XXX	Conductivity and pH	6	Yes	Yes	0	10	YES
MVECXXPD-XXX-XXX	Conductivity and pH	6	Yes	Yes	1 to 3	10	YES
MVECOXXPF-XXX-XXX	Conductivity and ORP	6	Yes	No	0	10	YES
MVECOXXPA-XXX-XXX	Conductivity and ORP	6	Yes	Yes	0	10	YES
MVECOXXPD-XXX-XXX	Conductivity and ORP	6	Yes	Yes	1 to 3	10	YES
MVECOXXPF-XXX-XXX	Cond.,pH and ORP	5	Yes	No	0	10	YES
MVECOXXPA-XXX-XXX	Cond.,pH and ORP	5	Yes	Yes	0	10	YES
MVECOXXPD-XXX-XXX	Cond.,pH and ORP	5	Yes	Yes	1 to 3	10	YES

Note: For CE approved and non-rewired models change the end of the code from "-XXX" to "-CZXXX"

#### Programmable Timer Modes:

- Pulse
- Percent
- Percent Post Bleed
- Limit
- 28 Day –Biocide
- Alarm Relay

#### Digital Input Assignments

- #1 Flow Sswitch
- #2 to 4 Drum Levels
- #5 Water Meter – Hall Effect or Dry Contact
- #6 & 7 Water Meter – Dry Contact
- #8, 9 & 10 Water Meter–Hall Effect or Dry Contact

MicroVision EX Parts	
Part No.	Description
12-600-00	Acc kit, Fuse, relay name lables, IOM
04-000-21-1	Toroidal probe
04-060-00	pH probe
04-060-01	ORP probe

MicroVision EX Accessories and Expansions	
Part No.	Description
UGK-MIOUT	4-20mA output Upgrade kit (1)