



Remote Discharge Monitor (RDM)

&

Remote Chemical Dosing Systems (RCD)

Do you have a remote water treatment site that needs constant monitoring and control? Call InnoH2O!

InnoH2O's Remote Discharge Monitor (the RDM) and Remote Chemical Dosing Systems (the RCD) offer our customers a way to maintain control on sites without constantly having to visit them. Primarily suited for remote mine drainage treatment sites, but anywhere remote control and chemical dosing automation is needed, our systems can go!

Manual and automatic configurations available – we can customize your system to your needs. We can also integrate multiple sensors if needed – things like tank level, conductivity, turbidity, pH, ORP, free chlorine, flow, temperature, pressure, etc.

A typical RDM configuration includes a control box with a small Human-Machine Interface/Programmable Logic Controller (HMI/PLC), pH & conductivity sensor probes with electronics, and remote connectivity for remote monitoring. The RCD system adds another level of comfort by adding in chemical dosing capabilities for your needed chemical (typically for AMD Caustic Soda (20 or 25% by wt.), lime feeding controls or hydrogen peroxide). All chemical feeding systems will have a pH sensor probe and electronics, but may also include any of the above listed sensor technologies.

Remote access is via cellular phone service on any of the major carriers – a site evaluation will determine which one works best for your application; booster options also available. Typical Remote Access is of the physical HMI – so the remote user sees exactly what a local user would see, but other options include customized dashboard development for multi-platform/system users. Don't have 120 VAC shore power, we can build these systems with a solar-powered option. Because our systems are open-platform (i.e. not canned controllers from other vendors), we can customize however/whatever you want us to – call us today to find out!

Physical Characteristics	
System Size	Depends on options, generally less than 18" x 24" x 8" on the control panels and other ancillary components.
System Weight	20-30 pounds
Electrical	
Voltage / Frequency / Type	120/240 VAC, 60 Hz, Single Phase 24VDC Solar Option
Environmental	
Temperature	-20 °F to 140 °F <small>(higher/lower range available on request)</small>
Water/Dust/UV Ingress	Control Panel Boxes Rated at NEMA 4X (UV stabilized polycarbonate); Stainless Steel Enclosures available on request
System Interconnections	
Chemical Fluid Connections	Per customer spec
Electrical Connection	Twist-lock Plug, flying leads or internal lugs, per customer spec

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Previous Installation Pictures and Examples

