

Water Conditioner (MECS)

The Water Conditioner is a complete system designed for use with ultrasound scanning tank systems. It provides microprocessor-controlled heating, de-gassing, filtration and de-ionization functions depending on the user's requirements. The system is housed in a standard 19" rack cabinet and can be used independently or can be controlled through a PC's serial port. When connected to a PC, a Windows program serves as the "front panel".

The Water Conditioner consists of the following functional modules:

- **Rack Cabinet and Water Connections:** The rack cabinet provides the housing for the water conditioner. All components of the water conditioner mount via standard 19" panels
- **Controller:** The water conditioner controller mounts in the rack above the manifold panel. The microprocessor that controls the water conditioner may be upgraded in the field to accommodate future firmware revisions
- **Software:** The software that is used to run the water conditioner
- **Heater and Filters:** The heater and filtration module provides regulated heating and filtration/de-ionization of the water. Is is a continuous "flow through" process.
- **Degasser:** The degasser module removes dissolved gases from the water. It is able to bring the dissolved oxygen content of an open 100 liter water tank from about 10 parts per million down to less than 4 parts per million within 4-5 hours. The degasser runs continuously. Degassing is a batch process which takes place in a chamber of approximately 2 liter capacity, and in batches of about 0.5 liters at a time.



DIM: 25.25" W X 27" H X 30.75" D