

## FlowMatix-DSLM

FlowMatix-DSLM (Dissolved Solids Loading Monitor) (Pat. Pend.)

The DSLM Unit solves the long-standing problem of being surprised by the need to exchange or regenerate Ion Exchange columns used for the production of DI water. Most water supplies have variable TDS loadings due to seasonal changes, maintenance or supply changes. With these variables, the service cycles will be inconsistent.



The FlowMatix Instrument dynamically monitors the dissolved solids loading in a moving stream. The loading in pounds, kilograms, tons or any other unit of mass is shown as an accumulated running total on the instrument display. By knowing the expected or calculated capacity of the treatment system, the regeneration or service exchange can be accurately scheduled.

Although there are many applications for this instrument, an important use is in treating raw or recycled water by De-ionization. With the DSLM instrument, the Ion Exchange columns can be accurately monitored to determine when the IX resins will be spent and the water will fall out of preset quality standards. By knowing the Total Loading, regeneration service can be scheduled to make sure system operations personnel, chemistry and waste storage are available.

In wastewater recycle systems, the DSLM unit is proven to be a winner in monitoring system performance and optimizing the regeneration process and thereby saving costs of regeneration chemistry and waste generation. The instrument is also a useful diagnostic tool in determining the aging or fouling of the IX resins in use by logging the performance history.

As an added feature the FlowMatix also displays the running flow rate, total dissolved solids (TDS), total flow and total run time.

The unit is equipped with alarm functions and relay outputs to alert the operator of high TDS, low flow, and a loading set-point to switch columns, or whatever action is necessary to restore quality water.

System display can be wall mounted within 100 ft. of probe attachment. Standard pipe sizes from 1/2" to 4" diameters can be monitored. Special sizes can be accommodated.

Special panel mounted instruments are available for inclusion into control panel systems.



FlowMatix Unit



Total Flow and Total Loading



Micro Siemens and GPM

Two- line displays of:

- Total Flow and Total accumulated [Loading](#)
- Running Conductivity and Flow
- Total Run Time in hours.
- K factors for different pipe sizes
- Correction factors for display units
- Reset function for totals of flow, loading and run time.

Standard flow sensors and conductivity probes are included. Optional control relay outputs (2) are available as well.

Please call for additional information