## DC Amps and Amp/Hr Controller for the Electro Plating and Chemical Processing Industry.

reset to 0.

## **Plating Control**

The amp/hrs from totalizer 2 operates Setpoint 2.

The chemical has a total life cycle calculated in DC amp/hrs,

Setpoint 2 operates an alarm advising the operator when the

chemical life has been exceeded. When the chemical is

changed a reset button is pressed and totalizers1 and 2 are

Plating

The customer has an application that requires to:

• Display Amps from a DC shunt.

· Display and control from dual totalized amp/hrs.

The amp/hrs from totalizer 1 operate Setpoint 1.

At programmed amp/hr intervals, a pump starts for a programmed On-time to pump replenishment chemicals to the plating tank.

When Setpoint 1 energizes, totalizer 1 resets to 0, the pump cycle starts, and the amp/hrs totalizer 1 restarts.

#### APPLICATION FUNCTIONS ELECTRO PLATING AND CHEMICAL PROCESSING **OPERATIONAL DISPLAY** OUTPU continually displays DC Power process load amps Supply DI-50 Tiger 320 Series AME mV Output Shunt Prog. SP1 SP2 SP3 SP4 SP5 SP6 REGISTER RESETS Setpoint 1 activated Setpoint 1/ Setpoint 2/ by amp-hour data to start / stop the chemical Relay 1 Relay 2 replenishment pump TOTALIZERS Setpoint 2 activated by Cathode Anode total amp-hours data to Chemical activate end of chemical Replenishment life cycle alarm Tank Chemical Workpiece Replenishment to be plated pump INPUTS Electro-plating Tank **APPLICATION VARIATIONS** · Use 6 digit alpha numeric display for better legibility. across display. · Operational Display "flashes" when replenishment VOLTS DC MV • Scroll pump On. · Temperature control. AMPS DC across display. · Individual job Amp Hrs On time. nĿ Ľn Scroll · Automate process On time and wash cycle.

# · Use Texmate DI-503 three display controller.

### Suggested Ordering Code Options for This Application

Basic Order Codes	Comments
DI-50E-DR-PS1-ID02-OR12	Single display to show Amp Hours.
DI-503E-DR-PS1-ID02-OR12	Three display to show Amps, Totalizer1 and Totalizer2