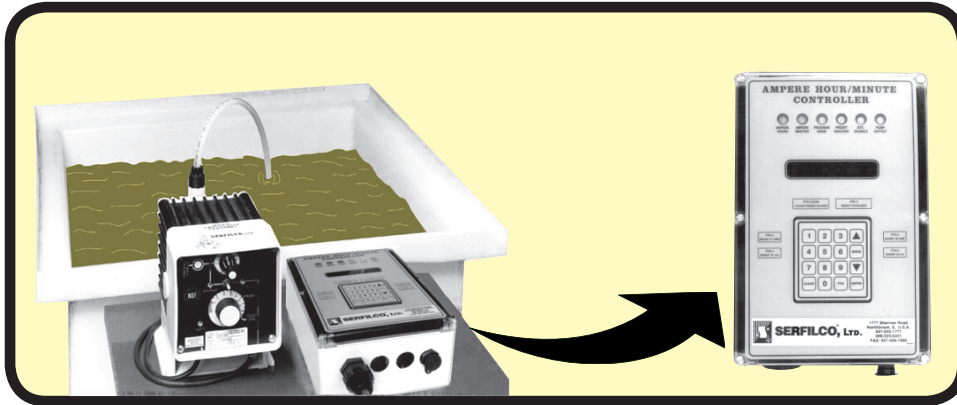




INTEGRATING AMPERE-TIME CONTROLLER / TOTALIZERS *for replacement of additives and brighteners at precise rate of consumption*



**IDEAL FOR:
ANODIZING;
PULSE PLATING;
ZINC, NICKEL, CHROME
& PRECIOUS METAL
ELECTROPLATING**

SERIES 1200 CONTROLLER / TOTALIZER Monitors plating current for 1 or 2 rectifiers

The Series 1200 system is suitable for 1 - 99,999 amp rectifiers. The unit features keypad data input for user programming of shunt current rating, ampere-hour or ampere-minute totalizing, totalizer reset, preset reset and preset values plus factory / field calibration. Internal circuitry converts an input signal to activate pump(s) at a near continuous flow rate determined by the user programmed setting. Temporary power loss does not affect last totalizer reading.

Status indicators include:

- 8-digit LED display — *shows power is supplied*
- Ampere-Hour or Ampere-Minute LED display
- Program LED — *shows unit is in programming mode and not running*
- Preset LED — *shows a preset event has occurred*
- Low chemical LED — *shows the chemical supply level is low causing the alarm relay to operate*
- Pump output LED — *pulses with each stroke of the electronic chemical pump*

- Eliminates manual additions
- Increases safety and precision of operation
- Verifies metal consumption
- Activates electronic pulse or motor driven pumps
- Eight digit LED display
- Digital totalizing Ampere-Time
- System accuracy $\pm 0.5\%$
- Programmable for Amp-Hours or Amp-Minutes
- Programmable for millivolt and current values of shunts

Brightener is replenished at precise rate of consumption in relation to metal deposited, automatically compensating for variation in work load or rate. Compact solid state circuitry is protected in a corrosion resistant plastic case. System includes an 8 foot, 3-wire cord and molded plug.



2900 MacArthur Blvd. Northbrook, IL. USA 60062 www.serfilco.com (800) 323 - 5431

Output signal: 4-20 mAdc isolated output for recording total shunt current

Control output: SPST relay, 5 ampere, N.O. control output for percentage ON/OFF controlling a 115/230 VAC motor driven pump

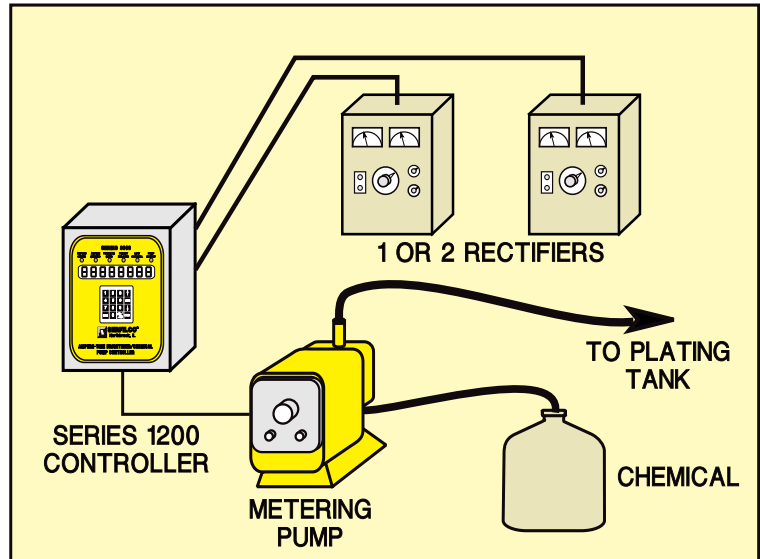
Control relay: SPDT, 0.1 mAdc control relay for pulsing electronic metering pumps

Alarm relay: SPST, 115/230 VAC, 5 ampere, N.O.

Dimensions: 12" H x 6.25" W x 3.75" D

Shipping weight: 5 lbs.

TO ORDER	
SERIES 1200	PRICE CODE NO.
	56-0578



OPTIONS

DESCRIPTION	PRICE CODE NO.
Low level chemical sensor	56-0566
Connecting cable for external pulse pumps (to connect pump to controller): For SERIES 'A', 'B' & 'C' pumps	56-0567

See Metering Pump Bulletin P-607 for pump selections.

AMP-SENTRY TOTALIZER

Ampere totalizer with non-resettable, 6-digit electro-mechanical counter, power and shunt cables, mounted in a NEMA 4X enclosure, features:

- **Solid state with dual LED indicators for power and rectifier**
- **Correlates plating bath chemistry, plating thickness or emissions evolved** (required when chrome plating)
- **Field programmable** - for shunt size, amp-hours or amp-minutes

VOLTAGE	PRICE CODE NO.
115V/1/50-60	56-0182
230V/1/50-60	56-0182A

