

# KEP One Minute Training SUPERTROL-1 SERIES

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## What Is It?

The Supertrol-1 Flow Computer is a multi-function Flow Totalizer, Ratemeter and Batcher with Temperature or Density compensation. The Supertrol-1 satisfies the instrument requirements for a variety of flowmeter types in liquid applications. Multiple flow equations and instrument functions are available in a single unit with many advanced features.

The alphanumeric display shows measured and calculated parameters in easy to understand format. Single key direct access to measurements and display scrolling is supported

The versatility of the Supertrol-1 permits a wide measure of versatility within the instrument package. The various hardware inputs and outputs can be "soft" assigned to meet a variety of common application needs. The user "soft selects" the usage of each input /output while configuring the instrument.

The isolated analog output can be chosen to follow volume flow, corrected volume flow, mass flow, temperature, or density by means of a menu selection. Most hardware features are assignable by this method.

The user can assign the standard RS-232 Serial Port for data logging, transaction printing, or for connection to a modem for remote meter reading.

A Service or Test mode is provided to assist the user during start-up system check out by monitoring inputs and exercising outputs and printing system setup.

We offer operating voltages of 110 / 220 VAC 50/60 Hz. or 12 / 24 VDC.

## Where Is It Used?

The Supertrol-1 can be used in any rate meter, totalizing or batching application where there is an analog or pulse signal available.

### Flow Monitoring:

A customer of KEP's installs monitoring systems for various Pig Farm Ponds. The analog Flow Meter sends out a 4-20mA output to the ST-1 and the ST-1 then takes that signal and displays Total gallons in the pond. The unit then takes a separate Pulse input to display rainfall for a 24 hour period. The customer can then receive this information either by RS-232 or the analog output to input to his internal monitoring system.

### Flow Applications:

During process, 3 variables are often monitored: Total Gallons in the pond, total rainfall for a 24 hour period and the Time and Date of the measurements. These variables can be transmitted via an optional RS-232 communications port to a computer or through the optional MPP-2400 port powered modem.



### Typical Applications:

**Waste Water Treatment**

**Remote Metering**

**Poultry and Dairy Farms**