

KEP One Minute Training SUPERTROL-2 SERIES

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What Is It?

The Supertrol-2 Flow Computer is a multi-function Flow Totalizer and Ratemeter with Temperature and Pressure compensation. The Supertrol-2 satisfies the instrument requirements for a variety of flowmeter types for liquid, gas and steam 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-2 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, pressure 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 an optional Two Way Pager for remote metering.

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 78 - 276 VAC 50/60 Hz. or 24 VDC.

Where Is It Used?

The Supertrol-2 can be used in any rate meter, totalizing application where there is an analog or pulse signal available.

Flow Monitoring:

A customer of KEP's installs monitoring systems for various Steam companies. An Orifice Plate Flow Meter sends out a analog type output to the ST-2 and the ST-2 then takes that signal and displays Mass Total as well as Mass Rate. The ST-2 gives the customer the ability to display the Rate in lbs/hr and the Total in lbs.

Flow Applications:

During Mass Flow processes, 6 variables are often monitored: Uncompensated Flow Rate, Uncompensated Total, Mass Rate, Mass Total, Temperature and Pressure. These variables can be transmitted via an optional RS-232 communications port to a computer or through the optional analog output of the unit.



Typical Applications:

Steam

Natural Gas

Liquids