

Pre Scaler Counter

Model XXXCTR 22



<u>Display:</u>	Eight-digit LCD 0.35" (8.9 mm) high characters.
<u>Power Source:</u>	Internal lithium battery. Eight year typical life. Optional AC/DC Mode See *.
<u>Temperature Range:</u>	+32°F to +167°F (0°C to 75°C)
<u>Time Base Accuracy:</u>	±0.01% ±1 count (time and rate modes only).
<u>Environmental Integrity:</u>	Front panel surface designed to meet NEMA 4 requirements, when panel is mounted using gasket provided.
<u>Weight:</u>	5.5 ounce (156 grams)
<u>Signal Inputs:</u>	Separate high and low speed inputs are provided for connection of the signal source for counting and rate modes, or for use as Run/Stop commands for timing modes.
High Speed Input	For use with logic level voltage, TTL, CMOS, open collector NPN transistor, or magnetic sensor having 2 volt peak output into 10k load.
<u>Frequency Response</u> <u>Input Voltage:</u>	5,000 Hz (50% duty cycle) Logic 1: 2.0 volts DC Logic 0: 1.0 volt DC Note: Accessory option modules may be used for high voltage AC/DC signals. Refer to "Accessories". Maximum input: ±28 volts DC
Low Speed Input	For use with isolated switch/relay contact.
<u>Frequency Response:</u>	25 Hz (50% duty cycle)

Totalizer. The unit provides a count capacity to 99,999,999 with a moveable decimal point for added flexibility. Its prescale feature allows the input count to be divided by 1 to 9,999 before registering a count on the display making this unit useful in lot and batch counting applications. The displayed count can be reset from a front panel push button or from a remote reset signal. The reset function can also be disabled if required. The totalizer function is ideal for parts, cycles, strokes, batch, length and flow totalizing.

Elapsed Time Indicator. In this mode, the unit accumulates time in hours, minutes or seconds when the input signal is held on, and stops when the input is removed. The resolution can be whole units, tenths or hundredths, or thousandths in the seconds range. Like the totalizer function, the elapsed time indicator features front panel and remote reset capabilities.

Hour Meter. When used as a hour meter, the unit provides a cumulative running time in hours. Time is accumulated while the input signal is on and stops when the signal is removed. The resolution can be set to whole units, tenths or hundredths. When this mode is selected, the reset function is disabled automatically.



Input Count Logic. Programmable choice of x1 or x2 logic, for counting on the leading edge only or leading and trailing edge of the input signal.

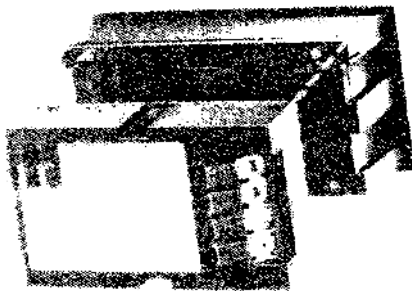
Reset. Front panel push button and remote reset capability provided for counter and elapsed time modes.

Panel Reset Disable: A jumper is provided to disallow reset via the front panel push button.

Remote Reset: Provides reset via remote contact closure.

Connections. Integral plug. Mating connector provided. Accessory screw-termination adaptor available. See "Accessories".

Function Selection. Access to the set-up mode is accomplished through use of a recessed "stylus switch", located on the front panel. The set-up mode allows the choice of operating function, scaling and ranging, and decimal point location. A jumper connection can restrict access to the set-up mode.



Simple rear snap-on modules add to the operating capabilities of the counter.

Accessories:

Option Module: The following modules snap-mount to the rear of the unit. All have screw terminal connections. An additional 0.75 inch (19.1 mm) behind the panel depth is required.

***AC/DC Input Module:** Allows use of high voltage input signal of 24 to 270 volts, AC or DC, impulse frequency response is 0 to 10 Hz. Optically isolated for maximum immunity to electrical transients and interference.

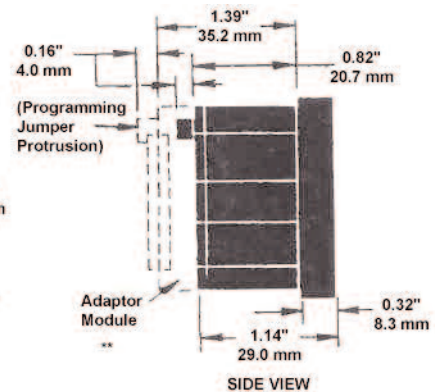
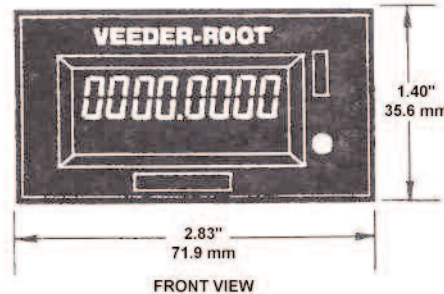
Mounting Adaptors. The following adaptors allow the unit to be mounted in place of popular electrical or electronic totalizers which are larger in size.

Panel Mount Adaptor: Allows unit to fit existing 3.78" x 1.75" (96.0 mm x 44.5 mm) cutouts. For retro-fit of series 7443, 1205, 7997, or 7995 with rotary or push button reset, includes gasket. Part Number: 328992-120

Panel Mount, Key Reset Adaptor:

Allows unit to fit existing 5.0" x 1.75" (127.0 mm x 44.5 mm) cutouts. For retro-fit of series 7443, 1205, 7997, 7995 with key reset. Includes gasket and key switch. Part Number: 328992-110

Dimensions. Panel cutout: 2.63" x 1.31" (66.7 mm x 33.3 mm).



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