



LCD Models



LED Models

Powerful Preset Counter in Compact 1/16 DIN Package... Available with LED or LCD Display

In addition to being used in counting applications, the C346 can also be utilized for its rate and timing functions.



Never has so much performance been packed into such a small package. The Veeder-Root Brand C346 is a full featured preset counter that can be field configured to perform as a rate meter or an elapsed time counter, both with outputs. Chose an LCD display or the industry's only 6 digit, 48mm x 48mm preset counter, with an LED display.

Functionality and simplicity go hand in hand – all models can be configured through the front panel to accept inputs from dry contacts, encoders, or photoelectric or proximity switches with either PNP or NPN outputs. Its input can be easily scaled using a multiplier constant, allowing display in Feet, Meters, Gallons, etc.

Important parameters such as the presets and the prescale value can be called up with direct access keys. Preset values can be quickly entered or changed using a simple button-per-digit method.

- Choice of LED or LCD display to meet any viewing requirement
- Scale Function enables display of Engineering Units (Length, Volume)
- Button-per-digit setting and direct access keys simplify setup and operation
- Add/Subtract, Add/Add, and quadrature input modes
- Accepts input signals from a variety of sources: Dry Contact, PNP or NPN Sensors, Encoders
- Can be field configured to perform rate metering or timing functions (timing resolution of 0.001 second)
- Relay and transistor outputs programmable for latching or timed operation
- Reset via Front Panel, Remote Input or Automatic
- 12 - 24 VDC auxiliary supply for powering input devices
- NEMA 4X/IP65 rated front panel for use in washdown environments

Single or dual preset models are available. Each preset features a transistor output, which can interface to an external SSR or a PLC, and a relay output for directly driving a load. Outputs can be programmed for latching or timed operation.

An auxiliary power supply simplifies wiring of inputs, and the draw-out case enhances serviceability. The NEMA 4X rated front panel enables use in washdown environments.

**For ultra-compact size, See A103
For three presets, see MAX Count 2**

SPECIFICATIONS

Count Modes: Add/Subtract, Add/Add, Count/Direction, or Quadrature, field selectable

Count Speed: 30 Hz or 5kHz, field selectable

Presets: 6 digit; Single (C346-0_1), Dual (C346-0_2)

Reset: Front panel (selectable enable), remote input or automatic

Calibrator: 0.001 to 9.999 multiplier common to inputs A and B

Decimal Point: Selectable from XXXXXX to XXX.XXX

Count Inputs: Contact Closure, Sourcing, Sinking; low < 2.0 VDC, high > 8.0 VDC; 40 VDC max.

Control Inputs: Remote Reset and Program Enable; low < 2.0 VDC, high > 8.0 VDC; 40 VDC max.

Outputs: 1 relay and 1 transistor per preset

Relay(s): SPDT 1A resistive @ 250 VAC, 2A @ 24VDC

Transistor: PNP open collector, 24 VDC max, 10 mA max

Dimensions: 48mm x 48mm, 93.5mm deep

Mounting: Panel mount (mounting bracket supplied), 45mm x 45mm cutout

Terminals: Screw Type

Display: Single line seven segment LED, 7.6mm high or Single line LCD, 9mm high

Supply Voltage: 115 VAC, 230 VAC 50/60Hz; 12 - 24 VDC

Accessory Power: 12 to 24 VDC, 0 - 50mA

Ambient Temperature - Operating: 0 to 50° Celsius, 32 to 122° Fahrenheit

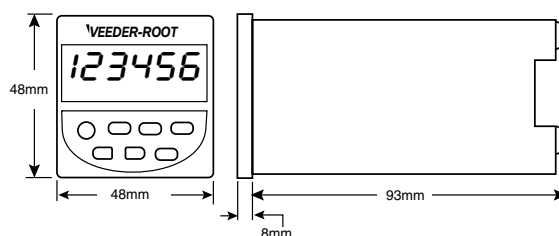
Ambient Temperature - Storage: -20 to 60° Celsius, -4 to 140° Fahrenheit

Front Panel Rating: NEMA 4X/IP65

Approvals: CE, RoHS, UL & CUL recognized

Model No.	Description
C346-0411	LCD/Single Preset/AC115
C346-0413	LCD/Single Preset/AC230
C346-0412	LCD/Single Preset/DC 12-24
C346-0421	LCD/Dual Preset/AC115
C346-0423	LCD/Dual Preset/AC230
C346-0422	LCD Dual Preset/DC 12-24
C346-0511	LED/Single Preset/AC115
C346-0513	LED/Single Preset/AC230
C346-0512	LED/Single Preset/DC 12-24
C346-0521	LED/Dual Preset/AC115
C346-0523	LED/Dual Preset/AC230
C346-0522	LED/Dual Preset/DC 12-24

Dimensions:



Panel Mounting: 45mm x 45mm (1.77" x 1.77") cutout, hardware supplied