



**Powerful, full-featured totalizer with large, blazing bright display... alerts by changing color**

**All in the family - Matching C628 series products in other sections of this catalog:**

**C628 Counters & Position Indicators:** Section 2  
**C628 Rate Meters:** Section 4  
**C628 Elapsed Timers:** Section 5



The Veeder-Root brand C628 Totalizer is a member of a family of 1/8 DIN instruments which offer breakthrough display technology as well as easy-to-program user setup. Its large LED display features the ability to change color based on process status such as exceeding the count preset. Therefore, when monitoring item or piece counting, length measurement, or other critical values, the C628 provides operators with an instant visual alert to changes in the application's status.

- AWESOME 0.71" high digit LED display (27% larger than other 1/8 DIN units)
- Programmable color change display based on an event
- Programmable help function and secondary legend display
- Choice of NPN or PNP primary input
- Filter speed settable for 20, 200, or 10,000 Hz
- Front panel reset enable and preset lockout
- Optional RS-485 plug in card
- CE approved, UL, CUL recognized

The bidirectional C628 totalizer provides count/direction operation and A+B or A-B operation, as well as a phased input from an encoder (quadrature). The front panel is rated NEMA 4X/IEC IP65 for use in washdown or dusty environments.

**SPECIFICATIONS**

- Count Inputs:** Sinking/Sourcing or Contact Closure  
Frequency: 10 kHz max. (5 kHz in quadrature mode)  
Logic Low ≤ 2.0 VDC, Logic High ≥ 3.0, 30V max.  
Impedance: 10 KΩ to common - Sourcing; 4.7 KΩ to +Voltage - Sinking
- Calibrator:** Multiplier 0.0001 to 9.9999
- Control Inputs:** Sinking, Edge Sensitive  
Logic Low ≤ 2.0 VDC, Logic High ≥ 3.0  
Impedance: 4.7 KΩ to +Voltage  
Response Time: 25 ms  
Functions: Input 1 - Remote Reset; Input 2 - Security Lockout
- Communication:** RS-485; Serial asynchronous, UART to UART;  
Open ASCII: One start bit, even parity seven data bits, one stop bit;  
Baud Rate selectable from 9600, 4800, 2400, or 1200  
Maximum Zones: 99
- Supply Voltage:** 90-264 VAC, 50/60 Hz, or 20-50 VAC/VDC; 4 Watts
- Accessory Power Supply:** 9-15 (unregulated VDC), 125 mA max.
- Display:** Red/Green, 7 segment LED  
Primary display: 5 digits, 0.71" (18mm) height  
Secondary display: single digit, 0.3" (7mm) height
- Dimensions:** 48mm x 96mm, 110mm deep

- Mounting:** Panel mount (mounting bracket supplied), 45mm x 92mm cutout
- Connections:** Screw type terminals - combination head
- Front Panel Rating:** NEMA 4X/IEC IP65
- Case Material:** GE Lexan 940
- Weight:** 0.56 lbs.
- Operating Temp.:** 0° to 55° Celsius, 32° to 131° Fahrenheit
- Storage Temp.:** -20° to 80° Celsius, -4° to 176° Fahrenheit
- Relative Humidity:** 20% to 95% non-condensing
- Approvals:** CE; UL, CUL recognized

