



## Electronic, Electromechanical & Mechanical Counters

### The Industry Standard in Counters

Veeder-Root offers the broadest selection of rugged and economical electronic, electro-mechanical and mechanical counters.

Veeder-Root products encompass a complete line of totalizing, preset and predetermining electronic counters as well as diverse process and rate indicators.

Veeder-Root, the world's best known name in counters, has provided non-stop performance and production monitoring in industrial manufacturing applications for over 100 years.

## FOR COUNTING INSTRUMENTS YOU CAN RELY ON, COUNT ON VEEDER-ROOT

For the last century, when OEM's need innovative, high-quality counters, they turn to Veeder-Root. We offer the broadest range of electronic counters, mechanical counters and electro-mechanical counters to meet an array of industrial and commercial counting applications.

From winding to spooling, position display to flow rate, when an application calls for accuracy and reliability, the world chooses Veeder-Root.

In 1991, Veeder-Root became a division of the Danaher Industrial Controls Group. This has led to incremental growth and enhanced production and distribution capabilities. The result has made us capable of servicing new industries and reaching more markets than ever before.

## MECHANICAL COUNTERS

Veeder-Root products set the industry standard for rugged reliable solutions for piece counting, linear measurement and position indication. When operation without any power source is wanted or needed, choose mechanical counters from Veeder-Root. These may be the only counter needed in some applications, however in critical operations where a redundant or failsafe counter is a backup to electronic devices then Veeder-Root has the most comprehensive line of mechanical counters on the market.

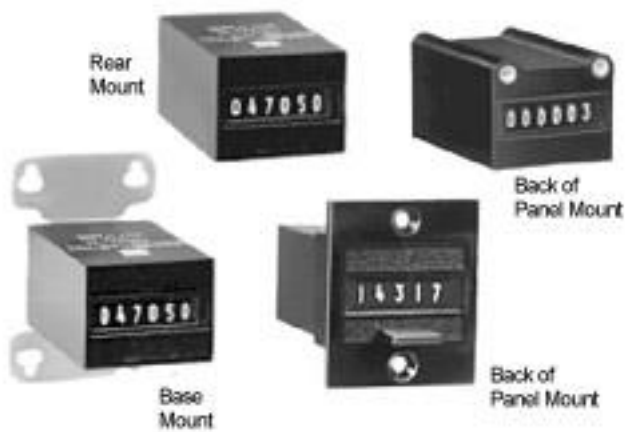


## ELECTRO-MECHANICAL COUNTERS

Veeder-Root electro-mechanical counters feature a wide range of products, varying in size, voltage and functionality.

Featuring base mount, panel mount and other fixings, there's a model to suit all applications.

Please ask for further information.



## ELECTRONIC COUNTERS

Electronic Counters Electronic counters are digital electronic units with a variety of features and functions. Electronic counters can be single or multi-function units. Electronic functions may include: time indication (such as in time meters and clocks), or rate indication (such as tachometers).



# INDUSTRY SOLUTIONS

## PACKAGING

Veeder-Root counters can be found in a wide variety of packaging OEM machinery and equipment for the food, beverage, pharmaceutical, personal care and specialty chemical industries to name a few.

The US remains the largest producer of packaging equipment. With the growing popularity of Form-Fill-Seal (FFS) machines along with the acceptance of flexible packages that are rapidly replacing bottles, cans, cartons, and bag-in-box packages- packaging companies are under pressure to save money by maximizing package functionality and by jettisoning expensive paper and board materials - all without decreasing production to continue to meet demand without losing market share.

From cartoning, multi-packing, and filling equipment to capping, sealing, and closing machinery, Danaher Specialty Products' complete line of counting and count control products provide critical unit counting, conveyor speed or cut to length (preset, batch or totalizing) feedback to machinery operators. Our standardized and customized counter products track how much material has been used to accurately monitor resource usage as well as maintain fixed conveyor speed to ensure that packaging, manufacturing and sealing steps occur in proper sequence to prevent costly production downtime or waste.

## RECOMMENDED SOLUTIONS:

C628 AWESOME Display Totalizing, Preset, and Batch Counters and Position Indicators

The C628 series of 1/8 din sized (48 x 96mm) AWESOME display totalizing, batch, and preset counters and position indicators feature a large, super bright colour changing LED display for maximum ease of use. Customizable to accept a variety of user defined inputs including solid state (NPN, PNP), and contact closure. With solid state, relay and DC linear output options, the C628 can

provide operators with instant visual alerts to changes in the application's status. That keeps the operator fully informed and in control of the machines at all times, preventing costly breakdowns and unnecessary work stoppages.

## **PRINTING**

We may be living in a digital age, but printed materials aren't going anywhere any time soon. The print advertising industry is still a multi-billion dollar a year enterprise, and with advanced data collection and consumer profiling technologies growing more sophisticated every year, there's every reason to believe it will only continue to grow.

To meet these needs speedily and efficiently, it's vital for printing press operators to perform regular maintenance on their equipment to prevent costly breakdowns and other malfunctions. Time spent in repairs is time not spent fulfilling orders and meeting customer demands.

With paper such an important and valuable commodity, minimizing waste through smooth print press operation is key. Danaher Specialty Products Veeder-Root counters can be found working in collaboration with Dynapar encoders to provide critical unit counting, conveyor speed or cut to length feedback to print machinery operators at any given time to ensure maximum output capability and reduced incidence of scrap due to misprinting or faulty conveyor speed.

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## **MANUFACTURING & PRODUCTION**

Veeder-Root counters are the instruments of choice for manufacturing facilities around the globe. Whether used for item/piece/batch counting, motor rate monitoring, liquid flow/fill rate indication and control, rate or draw ratio measurement, production rate, linear measurement/cut to length control, or position measurement, Veeder-Root counters continue to be leaders in this field. No matter what the industrial or commercial application, Danaher Industrial Controls likely has the perfect counter solution. Our broad assortment of indicators, totalizing and preset counter models are used in thousands of diverse industry applications each and every day, providing superb quality and reliable performance in even the most demanding industrial applications.

### **RECOMMENDED SOLUTIONS:**

Versacount series electronic multifunction counters

C628 series electronic counters

C346 series electronic counters

1667-1669 series Visicounter mechanical counters

1953 series Visicounter mechanical counters

7790/7791 series electro-mechanical counters

# ELEVATORS

As technology continues to grow more and more advanced, so do the ways we find to make modern life a little more convenient and accommodating. As a result the people mover industry and aftermarket is incredibly strong, particularly throughout Asia.

As long as we continue to erect buildings higher and higher, there will always be a high demand for efficient elevators, and that means continued growth in the elevator manufacturing industry. Ensuring a safe and speedy ride is vital for long term success in this growing market. Precise vertical lift and speed measurement are essential to ensuring passenger safety.

Danaher Specialty Products (Veeder-Root counters integrated with Dynapar encoders) can be found helping to ensure that these safety and operational standards are always met. By performing the dual function of accurately determining the position and speed of travel of the elevator car and communicating that feedback information to a computer that controls and adjusts the elevator's motor speed, we can consistently ensure the elevator car is where it needs to be.

## RECOMMENDED SOLUTIONS:

### C628 AWESOME Display Rate Indicator

The C628-4xxxx and C628-5xxxx are 1/8 din sized (48 x 96mm) AWESOME display products featuring a large, super bright colour changing LED display for maximum ease of use and customizable to accept a variety of user defined inputs ranging from solid state (NPN, PNP), magnetic, and contact closure. Additionally, with solid state, relay and DC linear output options, the C628 rate meter can provide operators with instant visual alerts to changes in the application's status. That keeps the operator fully informed and in control of the machines at all times, preventing costly breakdowns and unnecessary work stoppages.