

ZM500 & ZM600  
SERIES INDICATORS

Avery Weigh-Tronix



ZM

500 & 600 SERIES

Flexible, high performance  
indicators for advanced  
weighing tasks

*Flexible weight indicator for  
advanced applications*

# Responsive Performance

**Avery Weigh-Tronix**

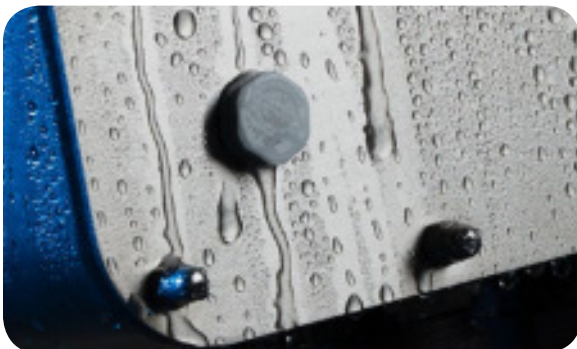
The ZM505, ZM510, ZM605 and ZM615 are high performance, multi-function programmable indicators which adapt to complex weighing tasks. Suitable for use with a wide range of scales, these versatile indicators provide a fully configurable solution. Their sleek design and user-friendly features provide an ideal platform to create application programs and solutions that are specifically tailored to your business.

## Built to fit your environment

These versatile indicators can adapt to desk, wall or column mount applications, with a panel mount version also available for incorporating into systems and panels.

### **IP69K Certification/GORE® Vent**

The laboratory certified IP69K 304 brushed stainless steel desktop enclosure offers complete resistance to dust and water ingress, making them suitable for use in dusty, wet or high pressure, heavy washdown (food) and outdoor environments. GORE® Vent technology allows the indicator to breathe, preventing water ingress in situations where condensation might be present.



## Easy to use interface and displays

The use of high definition, Improved Super Twisted Nematic (ISTN) or Improved Black Nematic (IBN) graphic display technology gives the weight displays excellent visibility and color contrast. With wide viewing angles, the ultra bright green and black dot graphic display is easily visible in extreme working conditions and can be inverted for optimum viewing in brightly lit environments. Pixels can be organized on the displays to create personalized messages and images.

All models feature chemical resistant, metal domed keys which give the user crisp, positive tactile feedback when compressed. Assign commonly used weighing tasks to five programmable function keys below the display.



**ZM505** – A nine segment numerical display is complemented by a small dot matrix graphic array area to the right of the screen, enabling use of status annunciators and limited graphics.



**ZM510** – A dot matrix 320 x 80 display can be used to create personalized messages such as user prompts, images and status annunciators. (Inverted display colors shown). A large QWERTY keypad offers input flexibility where adding an external keyboard would be difficult, such as panel-mount applications.



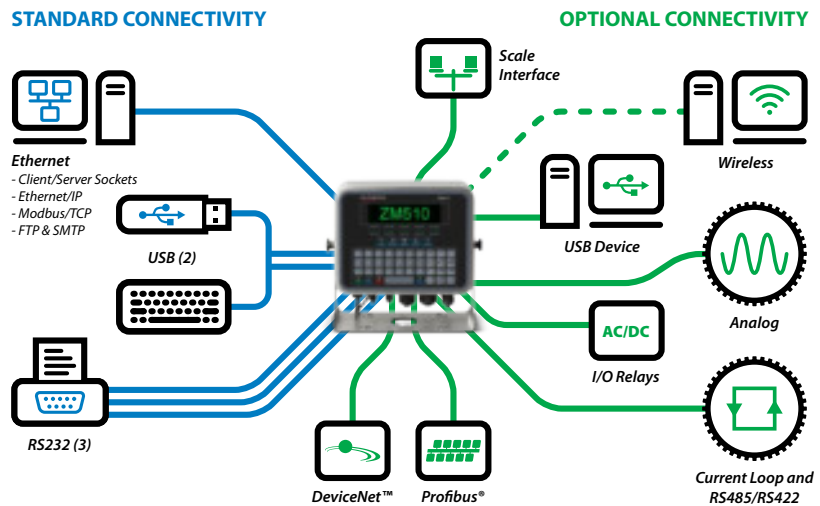
**ZM605** – Pixels across the full length and height of the 320 x 80 display can be used to create personalized Human Machine Interface (HMI) messages such as user prompts, images and status annunciators.



**ZM615** – The addition of a larger 320 x 160 display helps to improve usability. This large display provides an increased area to show more user prompts and graphics.

## Versatile connectivity

All ZM series indicators offer multi-connectivity, ensuring compatibility and communication between old and new peripheral technologies. The standard Ethernet port can be configured to support multiple independent devices, including DHCP client/server and Ethernet sockets in addition to all serial protocols. Three RS232 serial interface ports are included, enabling data transfer to older equipment and connection to the Avery Weigh-Tronix BSQ digital bench base. Two USB host ports facilitate communication with printers or keyboards and data transfer via a USB storage device.



## Option Kits

- › Analog output kit: 0-5 VDC, 0-10 VDC and 4-20 mA
- › Current loop kit: Current loop and RS232/RS422
- › USB device kit: Provides USB interface to PC (Virtual COM Port)
- › Device Net™
- › Profibus®
- › Wireless (Ethernet) internal kit: 802.11b/g wireless data communications kit with antenna
- › Internal 120 VAC Relay module for IP69K model
- › Scale Input 5 VDC excitation
- › Scale Input 10 VDC excitation with STVS kit
- › External I/O interface kit
- › DC Output, 4 relays 3-60VDC at 2A Kit
- › DC Input, 4 Inputs 4-30VDC kit
- › AC Output, 4 relays 20-240VAC at 1A kit (IP69K models)
- › AC Input, 4 Inputs 120-240VAC kit (IP69K models)
- › Severe Transient Voltage Suppressor (STVS)
- › Option Expansion - RS232
- › PDIO - Pulse Counting, PWM (ZM605 and ZM615 only)

## Approvals

### Patent

- › US Patent 672,262

### Agencies

- › NTEP (US) Class III/IIIL 10,000d (CC# 14-039)
- › Measurement Canada class III/III HD (AM-5955C)
- › UL/cUL
- › IP69K

# Avery Weigh-Tronix

[www.averyweigh-tronix.com](http://www.averyweigh-tronix.com)

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