E1005 INDICATOR

▷ General purpose weight measurement
▷ Checkweighing
▷ Basic parts counting
▷ Peak weight display
▷ Automated mixing

Includes the versatility of battery operation for mobile applications

THE evolution™ SERIES

The Power of Intelligence

Adapts to the need

The Model E1005 is an easy-to-use, uncomplicated indicator for general weighing applications. It is ideal for bench scales, floor scales and tank weighing applications. The high contrast display with 0.75" digits allows the operator to easily view weights at a glance. Weighments can be accumulated, stored and recalled including number of transactions.

Specialized Applications

Checkweighing: The display includes a multi-segment fan graph for fast evaluation. The operator can instantly verify that products are within the target range or above or below acceptable tolerance.

Counting routines: The Model E1005 can display the number of pieces or average piece weight, along with gross, net or tare weights.

Peak weight: If a maximum weight reading is required, the Model E1005 can capture and display the peak measurement of stable weights.

Process control: The indicator is equipped with three setpoint controls to interface with relays for automated mixing or blending operations.

Added performance features

The Model E1005 can serve as a remote display in applications where weights must be read in two locations.

An internal battery provides mobility for cart-mounted bench scales or for applications where AC power is not available. The battery life is determined by the programmable standby selection. The Model E1005 has a built-in charging circuit that automatically recharges the internal battery when the indicator is connected to a main power source.

Weight information can be transmitted to peripheral printers and/or computers through the indicator's communication port. The format of the information may be customized and can include time and date.
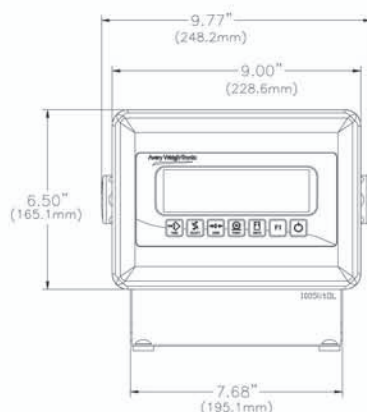
An IP54 rated enclosure ensures reliable, continuous operation in dusty environments.

An optional remote foot control can be added for improved efficiency in common "lift and weigh" applications. It gives the operator hands-free control of common scale functions: Zero, Print or Tare.
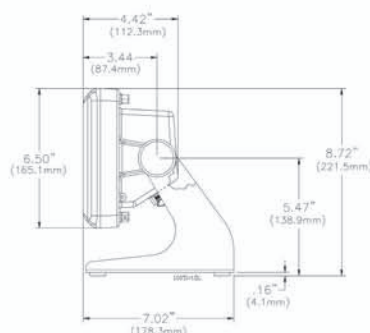

Model E1005 provides uncomplicated weighing solutions.

Avery Weigh-Tronix

Front View and Dimensions

Side View and Dimensions

Power requirements
- 120 Volts AC, 60 Hz, 800 mA
- **Internal battery:** 25 hours of continuous operation with one weight sensor; 15 hours of continuous operation with four weight sensors
- Standby mode extends battery life

Excitation
- 5 volts
- Supports up to four 350-ohm weight sensors

Analog signal input range
- +/- 12 mV/V

Analog signal sensitivity
- 0.2 µV/divisions minimum
- 1.0 µV/divisions recommended

Calibration
- 2 to 5 points stored

Operational keys
- Tare, Select, Zero, Print, Units, F1, On/Off

Operational annunciators
- Center of Zero, Motion, Gross, Tare, Net, Battery status
- Under/Target//Over
- Units of measure (LB, KG)
- Peak, Print, OP1, OP2, OP3

Display
- Seven-digit, seven-segment, 0.75-inch high, LCD

Display rate
- Selectable (1, 2, 5, 10)

Analog to digital conversion rate
- 60 times per second

Unit of measure
- Three, independently programmable
- Pounds, kilograms, custom

Capacity selections
- 999,999 with decimal located from zero to five places

Incremental selections
- Multiples and sub-multiples of 1, 2, 5

Programmable selections
- Zero range, motion detection, automatic zero tracking, five-point linearization.

Time and date/RAM
- Battery backed up real time clock and RAM

Internal resolution
- 41,248,140 counts per mV/V per second

Standard inputs
- Three logic level inputs for: Zero, Print, Tare, Units, F1

Standard outputs
- Three cutoff outputs, open collector design
- Serial port RS-232 or 20mA current loop, or RS-422, or RS-485

Serial command inputs
- Programmable serial response to ASCII character input, SMA protocol

Self diagnostics
- Display, keys, inputs, outputs, serial port

Circuitry protection
- RFI, EMI, and ESD protection

Options
- Trips Interface Unit (TIU3)
- 90 to 264 VAC, 47-63 Hz

Operating applications
- General weighing, automated mixing, simple counting, checkweighing, peak measurement, remote display

Operating temperature
- 14 to 104° F (–10 to 40° C) NTEP
- -4° F to 140° F (–20° C to 60° C) non-legal
- 10 to 90% noncondensing humidity

Enclosure
- Composite IP 54

Weight
- 8 lb, 3.7 kg

Agencies
- **NTEP** CC#04-029
  Class III/IIIL:10,000 divisions
- **OIML** 6,000 divisions pending
- Canadian Weights and Measures pending
- CE marked
- UL pending
- CSA pending
- CUL pending

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