



Technical Specification

DESCRIPTION

The ZM110 Indicator can be supplied as a Class III, EC and OIML trade approved indicator at 3,000 divisions, and can connect to up to four 350 ohm load cells for a wide range of general purpose floor or bench scale applications.

Indicator Construction: Housed in a robust ABS enclosure, the ZM110 Indicator features eight operator keys and an LCD backlit display with 40 mm high digits making it easy to use and read, even in areas with low light. The ZM110 comes with a detachable pole mounting bracket and built-in wall screw locator slots for easy installation.

With its built-in battery providing up to 107 hours of use between charges, the ZM110 Indicator can be used in areas where power outlets are hard to find. The supplied multi-plug AC power adapter (UK-EU-Aus-USA plugs supplied) can be used for recharging or to power the indicator when convenient.

This indicator also comes standard with a range of other time saving feature such as counting, check counting and checkweighing functions.

General/Hold Weighing: The ZM110 with BSL Base System can easily be set into general or animal (hold) weighing mode. Ideal for a wide range of applications.

Counting Mode: Designed to weigh in kg, lb or pieces the ZM110 Indicator can easily be set into sample mode - ideal for counting a wide range of medium sized components.

Checkweighing & Check Counting: Ideal for guaranteeing product or box quantities are within an agreed weight or count size and for repetitive packing applications, the ZM110 Digital Bench Series easily switches between general weighing, checkweighing, and check counting.

SPECIFICATIONS

GENERAL

Operating Applications	General Weighing, Basic Counting, Check Counting, Checkweighing and Hold mode
Approved Resolution	4200 divisions EC & OIML approved (Class III)
Minimum and Maximum Load Cell Impedance	87 to 1100 ohms
Number of Load Cells	Supports up to four 350 ohm weight sensors
Calibration	Three points stored (Zero, Span and one optional linearization point if needed)
Analog to Digital Measurement Rate	Configurable from 7.5 to 30 Hz. Default 15 Hz.
Unit Of Measure	Allows up to two units of measure plus piece counting (kg, g, lb, lb/oz, pcs). Primary unit of measure kg.
Capacity Selections	Configurable 999,999 with decimal located zero to five places

GENERAL

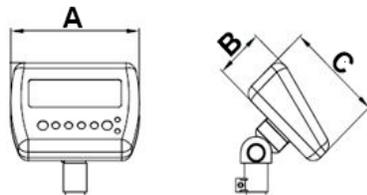
Division increment	1 to 50 in multiples and sub-multiples of 1, 2, 5
Auto Zero tracking	Configurable +/- 0 to 5 divisions
Capacity Selections	Configurable 999,999 with decimal located zero to five places
Gravity Setting	Allows a different gravity to be entered into the scale after calibration
Battery	Built-in lead acid battery (DJW6-4.0 6V 4.0AH) to give up to 107 hours between recharges
Power Save Options	Configurable backlight settings to turn off backlight. When scale is sitting stable for long periods of time, any movement will turn the back light back on. Auto off feature can be set to turn off the scale when not in use. Auto off from off to 99 minutes.
Enclosure	Housed in a tough black ABS enclosure with rear external Battery cover with Battery installed. Also supplied with detachable adjustable pole mounting bracket (will fit up to 50 mm diameter poles). Enclosure also comes with built-in wall screw locator slots ideal for mounting indicator on to a wall.

USER INTERFACE

Operational Keys	Eight operation keys: Unit, Select, Print, Zero, Tare x 2, On, Off. Two functional tare keys to accommodate both left and right hand dominant operators.
Status Annunciators	Center of Zero, Motion, Gross, Net, Battery Charge
Display	50 mm x 165 mm (2" x 6.5") Large, easy-to-read LCD, backlit display with 40 mm (1.6") high, seven digit seven segment display

PHYSICAL

Operating Temperature	-10° to 40° C / 14° to 104° F
Operating Humidity	10 to 90% relative humidity, non-condensing
Shipping Weight	2.14 kg / 4.72 lb
Packaging Dimension	365 mm x 215 mm x 155 mm / 14.4" x 8.5" x 6.1"
Multi-Pack Quantities	Eight per box
Dimensions	A = 250 mm (9.82") B = 190 mm (7.48) C = 100 mm (3.93")



INPUT/OUTPUT

Communications	One RS232 optional (distributor fit only)
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ELECTRICAL

Power Requirements	Supplied with a switching power adapter with interchangeable plug ends to cover UK, EU and Australian plug requirements. Input 100 - 240 volt ~ 50/60 Hz, 0.4A max output voltage 12 Volt DC 1000mA with positive centre
Excitation	5 volt

APPROVALS

Agencies	OIML (European and UK) Class III 4,200 d TEC : 0200-NAWI-05920 OIML CoC for ZM110: R76/2006-A-DK2-19.04 RoHs II compliant CE
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