



# ArlynGuard-B Bench Scales

INTRINSICALLY SAFE SCALES

www.arlynscales.com

v1.7

Take advantage of our **Explosion Proof Scales** that provide *intrinsic safety* at an affordable price. They feature a power efficient Cortex-M microprocessor incorporated on a single circuit board. Their extremely low power consumption provides long battery life from three (3) rechargeable AA batteries. The scale features stainless steel load cells giving the scale superior overload protection for years of trouble free use. Other features include easy installation, easy to read graphics LCD display, full numeric keypad, easy to use menu driven interface and large memory capacity. The indicator also offers Units Conversion, Net/Gross, Tare, Zero and many other secondary functions. Its housing is made from impact resistant nylon. The optional communications interface allows communication to non-hazardous areas, giving RS-232, analog and setpoint outputs. Learn more at <https://www.arlynscales.com/scales/arlynguard-b/>

P/N	B5	B10	B25	B50	B100
Capacity	5lb (2.2kg)	10lb (4.5kg)	25lb (11kg)	50lb (22kg)	100lb (45kg)
Readability	0.001lb (0.5g)	0.002lb (1g)	0.005lb (2g)	0.01lb (5g)	0.02lb (10g)
Platform Dimensions	12" x 16"				



## FEATURES

- Very Accurate** - Internal resolution up to 1 part in 500,000. Nominal resolution at 1 part in 5000.
- Cost Effective** - Includes features found on scales costing 5x more.
- Extremely Durable** - Rugged, water resistant construction. No moving parts. Stainless load cell and platform.
- Adjustable IS Display** - Easy to view from all angles.
- Parts Counting Option** - Easy, Quick Sampling, 100 memory locations.
- Versatile Configurations** - [www.arlynscales.com/fm-explosion-proof-scale-configurations/](http://www.arlynscales.com/fm-explosion-proof-scale-configurations/)

## ADDITIONAL SPECIFICATIONS

- Power Requirements** - Uses supplied (3) NiMH AA batteries. 1 extra set provided with recharger.
- AC Power available with Safety Barrier.**
- Accuracy** - 0.1% of full scale
- Tare, Zero Range** - 100% of full scale
- Operating Temp** - 14°F to 104°F
- Overload Condition** - Display warning message at 102% of scale capacity. Mechanical stops prevent damage to 150% of capacity.
- Display** - Intrinsically Safe for use in Hazardous/Classified Locations, 1" easy to read LCD with status annunciators

- Display Speed** - 0.5 seconds, adjustable
- Electronics** - Power efficient Cortex-M based system, self-test feature. All electronics on 1-plug board for easy service.
- Weighing Features** - Adjustable constants, automatic calibration, Tare & Sample Storage, Quick Tare/Quick Sample, Auto Shutoff, etc.
- Options** - Setpoints, RS-422/485, and other optional features provided through Safety Barrier giving RS-232, USB, Ethernet TCP/IP, 4-20mA/0-5V, setpoints and other options. "No Indicator" option with 4-20mA/0-5V Interface also available.

## INTRINSICALLY SAFE

Class I, II, III, Division 1, Groups A, B, C, D, E, F & G  
 Class I, Zone 0, AEx ia IIC (T3 Ta=60C)  
 Indoor Hazardous (Classified) Locations.  
 Non-incendive for use in Class I, Division 2, Groups A, B, C and D  
 Suitable for use in Class II, Division 2, Groups F & G,  
 Class III, Division 2 indoor Hazardous (Classified) Locations

## APPROVALS

This ArlynGuard scale is equipped with one or more of:

- Model MKE-5-IS-a (-b) Digital Weight Indicator System
- Load Cell Models 620-300-IS, 620-100-IS, 620-50-IS, 620-25-IS, 620-10-IS, 520-10000L-IS, 520-5000L-IS, 520-5000IS, 520-2500-IS, 520-1250-IS, 320-500-IS and 320-250-IS

which are **Factory Mutual (FM) Approved components as per Approval Standard 3600, 3610, 3611 and 3810**