



# ArlynGuard-S ULTRA PRECISION Scales

## INTRINSICALLY SAFE SAW SCALES

www.arlynscales.com

v1.7

The Ultra Precision Scale is the flagship product of Arlyn Scales. But now, it comes with Intrinsically Safe version as well. The new **ArlynGuard S** comes equipped with an *Intrinsically Safe Ultra Precision SAW Load Cell sensor* that provides **10x the accuracy** of regular scales. If your needs require a scale that needs to have a readable resolution of 1:100,000, to operate in explosive, flammable or other hazardous conditions, then the ArlynGuard S would be a perfect scale for that application.

It also offers *excellent temperature stability and durability*. In many situations, one higher capacity SAW scale can substitute for 2 or 3 standard scales of different capacities. SAW scale technology was invented and developed by Arlyn. As with all of our scales, we only sell our scales factory direct. Other features include easy installation, easy to read graphics LCD display, full numeric keypad, and easy to use menu driven interface. The indicator also offers Units Conversion, Net/Gross, Tare, Zero, and many other secondary functions. Learn more at <https://www.arlynscales.com/scales/arlynguard-s/>

Model	S10	S25	S50	S100	S200	S200-L	S300-L	S500-L	S500-XL	S1000-XL
Capacity	10lb (5kg)	25lb (12kg)	50lb (22kg)	100lb (44kg)	200lb (90kg)	200lb (90kg)	300lb (135kg)	500lb (225kg)	500lb (225kg)	1000lb (450kg)
Resolution	0.0001lb (0.05g)	0.0002lb (0.1g)	0.0005lb (0.2g)	0.001lb (0.5g)	0.002lb (1g)	0.002lb (1g)	0.002lb (1g)	0.005lb (2g)	0.005lb (2g)	0.01lb (5g)
Pan Size	12" x 12"					20" x 23"			31.5" x 31.5"	
Pan Size (-16)	N/A	12" x 16"				N/A				

### FEATURES

- Ultra Accurate** - Nominal Resolution at 1:100,000. Internal Resolution -> 1:2,000,000
- Ultra Durable** - Massive heat treated alloy load cell.
- Construction** - Large stainless platform. 250% shock load protection.
- No Set Up** or dealer services required. Automatic calibration.
- Easy Operation** - Pushbutton functions for automatic tare & unit conversion.
- Other Platform Sizes** - *Other sizes available on request.*



### ADDITIONAL SPECIFICATIONS

- **Accuracy - 0.01% of Full Scale** ←
- Power Requirements** - Uses supplied (3) NiMH AA batteries. 1 extra set provided with recharger.
- AC Power available with Safety Barrier.**
- Linearity** - approximately 1:40,000 (typical)
- Sensitivity Drift** - +/- 5 ppm/ °F (60F - 95F)
- Creep** - approximately 1:30,000 (typical)
- Tare, Zero Range** - 100% of full scale
- Operating Temp** - 10°F to 120°F

- Included IS Display** - Intrinsically Safe for use in Hazardous/Classified Locations, 1" easy to read LCD with status annunciators.
- Overload Condition** - Display warning message at 102% of scale capacity. Resists mechanical damage to 250% of capacity.
- Display Speed** - 0.5 seconds, adjustable
- Weighing Features** - Adjustable constants, automatic calibration
- Options** - Optional features provided through Safety Barrier giving RS-232, USB, Ethernet, 4-20mA/0-5V, etc. Additional Safe Area Display also available. See configurations: [www.arlynscales.com/fm-explosion-proof-scale-configurations/](http://www.arlynscales.com/fm-explosion-proof-scale-configurations/)

### INTRINSICALLY SAFE RATINGS AND APPROVALS

**SAW-IS Load Cells**  
 Intrinsically Safe for use in Class I, II and III, Div. 1, Groups A, B, C, D, E, F and G; Temperature Class T3C Tamb = -25 °C to +40 °C; Temperature Class T3B Tamb = -25 °C to +60 °C in accordance with Control Drawing No.7334; Intrinsically safe apparatus for use in Class I, Zone O, AEx ia IIC T3 Ta = -25 °C to +60 °C; in accordance with Control Drawing No. 4013; Nonincendive for use in Class I, II, III, Div. 2, Groups A, B, C, E, F & G; Temperature Class T6 Tamb = -25 °C to +60 °C; in accordance with Control Drawing No.7334; Hazardous (Classified) Locations.

**MKE-5-IS-a (-b) Digital Weight Indicator System**  
 Intrinsically Safe for use in Class I, II and III, Division 1, Groups A, B, C, D, E, F & G; Temperature Class T3C Tamb = -25 °C to +40 °C; Temperature Class T3B Tamb = -25 °C to +60 °C in accordance with Control Drawing No.4013; Intrinsically safe apparatus for use in Class I, Zone O, AEx ia IIC T3 Ta = -25 °C to +60 °C; in accordance with Control Drawing No. 4013; Nonincendive for use in Class I, II, III, Division 2, Groups A, B, C, D, E, F & G; Temperature Class T6 Tamb = -25 °C to +60 °C; in accordance with Control Drawing No.4013; Hazardous (Classified) Locations.