



MKE-5-IS

INTRINSICALLY SAFE DIGITAL INDICATOR

www.arlynscales.com

v1.2

The MKE-5-IS Digital Indicator has all of the mechanical features and advantages present in the MKE-5 (the non-IS equivalent). However, the MKE-5-IS is exclusively built to be **Explosion Proof and Intrinsically Safe for use in Hazardous/Classified Environments**. The indicator features a *flame proof Nylon Enclosure* and a specially designed control board approved for intrinsic safety. In terms of software, the indicator features an intuitive menu-driven user interface that does not require reading a manual to perform basic and even slightly complex functions. It can be equipped with multiple options such as RS-485, RS-422 and Discrete Setpoint outputs. These outputs can be further expanded to produce non-IS digital outputs such as RS-232, USB and Ethernet TCP/IP in the Safe Area through a Safety Barrier. The MKE-5-IS can also be retrofitted with a second MKE-5 or Arlyn UpScale Touchscreen indicator in the Safe Area to provided enhanced features and connectivity. It has a full Tare function that includes quick keypad tare as well as tare definition storage for 100 locations.

The MKE-5-IS also features a myriad of fully customizable weight conditioning routines such as Software Filter, Stability Control, Zero Tracking, and Motion Detect.

Visit <https://www.arlynscales.com/scales/mke-5-is-intrinsically-safe-digital-indicator/> for more information.



FEATURES

- Explosion Proof Intrinsically Safe** – Approved for use in Hazardous/Classified Locations. See Approvals below.
- Standard Load Cell Connectivity** – Compatible with any 4- to 6-wire load cell scale platforms.
- Intuitive Menu Driven Interface** – No confusing op-codes. Graphical Menus and selection based interface.
- Flexible Outputs** – Available with RS-422. Can be expanded to use non-IS digital outputs (RS-232, USB, Ethernet).
- Flame Proof** – Molded Nylon enclosure

ADDITIONAL SPECIFICATIONS

- Dimensions** - 5" x 9" x 2.5"
- Power Requirements** – Uses approved (3) NiMH AA Batteries. 1 Extra set provided with recharger.
- AC Power Available with Safety Barrier**
- Weight Display** – 1" High Character Display, 6 Digits
- Enclosure Material** –Nylon, Gray.
- Load Cell Connector** – M12, Wire Terminal, or Custom.
- Excitation (+/-)** – 3.0VDC, 0V
- Calibration** – *Fully unlocked Calibration Process*
- Operating Temp Range** – 14 °F to 104 °F

- LCD** – Large LCD 128x64 Dot Matrix Display
- Weigh Features** – Automatic Calibration, 8 unit conversions (lb, kg, g, oz, etc.), net/gross, keyboard and digital tare with memory database.
- Filter Options** – Software Filter, Stability Control, Zero Tracking, Motion Detect,
- Output Options (IS)**– RS-422, Setpoint Control
- Non-IS Options (w/ Safety Barrier)** – RS-232, USB, Ethernet TCP/IP. Safe Area Second Display, etc.
- Mount** – Table Top, Swivel Mount w/ mounting holes.

INTRINSICALLY SAFE APPROVALS

Intrinsically Safe for use in Class I, II and III, Division 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.4013; Intrinsically safe apparatus for use in Class I, Zone 0, 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. - **Factory Mutual (FM) Approved component as per Approval Standard 3600, 3610, 3611 and 3810**