

Protecting quality - improving safety

Swift & Company, a world-leading processor of fresh beef and pork, is passionate about the quality of its meat. Its processes exceed hygiene regulations to guarantee product safety – which is now even easier, thanks to the new Avery Weigh-Tronix (AWTX) E1010 indicator.

The Louisville, Kentucky (US) plant processes over 1000 pigs per hour. To comply with the US Department of Agriculture's (USDA) hygiene requirements, all equipment that the meat touches must withstand thorough cleaning regimes.

Swift has over 150 AWTX scales and indicators at the plant. When Electronics Technician, Todd Kruse heard about the NEMA 6-approved E1010 from local distributor, American Scale, he was interested in testing it in the wash down environment. To perform well, it would have to compete with daily jet washing up to 200-psi pressure, cleaning with soapy water up to 170 °F (76.6 °C) and extremes of temperature in the hot and cold rooms.

The E1010 is waterproof by design. Extensive submersion, heat and expansion tests during its manufacture proved the indicator's performance beyond ordinary operating conditions.

Just four fasteners hold the front and back housings and a rubber gasket seals the indicator against the ingress of moisture. Engineers also concealed the gasket to protect it from harmful chemical exposure.

For Swift, the indicator soon proved its suitability. Todd Kruse said, "After eight months, we tested the unit from the cold hog room for moisture ingress. Despite operating continuously in a very cold and wet environment, the inside of the indicator was completely dry."

Todd continues, "The indicator has stood up to scrutiny from USDA inspectors who visit the plant daily to check our hygiene standards. We are delighted with the product and intend to replace our older indicators with the new E1010 over time."

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Evolution E1010 indicator

Avery Weigh-Tronix designed the E1010 to be watertight, despite frequent wash down routines, changes of temperature and air expansion inside the unit.

- Four fasteners hold the front and rear housings, to reduce service time. Similar indicators may require up to 30 fasteners.
- The gasket always stays with the front housing to protect the integrity of the seal; regardless of how many times an engineer opens the unit.
- An 'O' ring avoids the screws being tightened too far into the pillar, avoiding accidental damage to the seal.
- Unique design conceals the rubber gasket, to protect it from chemical cleaning agents.
- Complies with NEMA 6 and IP67 requirements.



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- Completely watertight – to ensure continuous operation in the wash down environment.
- Can be cleaned thoroughly with hot water and detergent – to maintain hygiene standards.
- The keypad membrane resists scratches during cleaning – for better operator visibility and longer life.
- Simple design is quicker to service – reducing downtime.
- Part of the Evolution range of digital indicators, offering a wide range of interfaces and configurable applications as standard – providing easy integration without additional costs.