

Service Bulletin

#FRSB0027

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Effective Date: Retroactive to 2007
Meters Series Affected: 820,825,850 Series Meters
Affected Components: Electronics
Subject: Product Updates
Issuing Authority: Engineering

Tuthill Transfer Systems / Fill-Rite is pleased to release the following update information regarding the 820, 825, and 850 Series Sotera Meters.

To improve durability, reliability, and accuracy, the following improvements have been made:

The meter faceplate was redesigned to incorporate a “Gor-Tex” membrane vent that allows the air in the faceplate to vent as it expands and contracts, while sealing it against outside moisture. This prevents distortion and possible seal failure of the touchpad due to thermal expansion. The new vent was added in the Fall of 2007.

The circuitry has been redesigned using the latest in electronics, improving performance, durability, and reliability. Memory retention has been greatly improved; only damage to the main microprocessor can unintentionally delete the memory now.



The new circuitry also incorporates a new “Deep Sleep” mode to greatly enhance battery life. First generation meters could deplete the batteries in just days if left in the “Flush” mode. The new “Deep Sleep” feature engages after 30 seconds in “Flush” mode (indicated by a blank screen). This can extend battery life to an expected 3 – 4 years in normal use, with some applications lasting up to 5 years (lithium batteries can last up to 6 – 7 years if installed by the customer). The meter comes out of “Deep Sleep” mode when any button is pushed. This software programming change became effective April 1, 2009.

Newer manufacturing methods and reinvestment in some of our tooling have improved reliability and accuracy, and has minimized the possibility for the occasional mechanical field failure.

We continue to proudly manufacture the full line of Sotera products at our Ft. Wayne, Indiana production facility, where Engineering and Manufacturing work hand in hand to produce the finest line of meters in the industry.

Please feel free to contact your Tuthill / Fill-Rite / Sotera representative if you should have any questions on this Technical Service Bulletin or any of our products.

Warmest Regards,

Julie Southwood
Product Manager

