

What's new in PowerLogic™ ION7550/ION7650 firmware v410

This document outlines the new and updated features in firmware version 410 (v410) for the PowerLogic™ ION7550/ION7650 meters.

Additional information and resources

Visit www.schneider-electric.com to download the firmware upgrade files and related resources.

- The firmware upgrade files.
- The latest template files.
- The latest version of ION Setup to support the new features.
- The latest user manual, datasheets and installation sheets.

EN50160:2010 support

This firmware version supports EN50160:2010 (Edition 4).

EN50160 is a European standard that defines the voltage characteristics of the electricity supplied by public distribution systems. The latest firmware version for this meter now supports the EN50160:2010 (Edition 4) standard.

IEC 61000-4-30 Edition 3 support

This firmware version supports IEC 61000 4-30 Edition 3.

The IEC 61000-4-30 (4-30) standard defines methods for measurement and interpretation of power quality parameters in 50/60 Hz AC power supply systems. The standard describes measurement methods for relevant parameters to obtain reliable, repeatable and comparable results using any compliant meter. New items are now required in 4-30 Edition 3 and have been implemented on this meter:

Rapid Voltage Changes (RVC) – RVC is a quick transition in RMS voltage between two steady-state conditions, during which the voltage does not exceed the sag/swell thresholds. The Sag/Swell module can now detect and measure RVC and record the event to the meter's Event Log.

Current Measurements – Current measurements are useful as a supplement to voltage measurements, especially when trying to determine the causes of events such as voltage magnitude change, interruption or imbalance. These current measurements include:

- Magnitudes
- Harmonics and Interharmonics
- Unbalances