



SEL-735 ANSI Conformity

SEL-735 Compliance to ANSI Std. C12.20-2015

SEL-735 Complies With ANSI Std. C12.20-2015

Conformity with industry-accepted standards, including ANSI Std. C12.20-2015, is a vital part of the design and manufacture of the SEL-735 Power Quality and Revenue Meter. An accredited third-party test facility tested the SEL-735 to all applicable sections of ANSI Std. C12.20-2015 as noted below.

Test Coverage

ANSI Std. C12.20-2015 establishes the physical aspects and acceptable performance criteria for 0.1, 0.2, and 0.5 accuracy class electricity meters meeting Blondel's Theorem. SEL tested the SEL-735 to the 0.1 accuracy class.

ANSI Std. C12.20-2015 includes 44 tests. Nine of the tests do not apply to the SEL-735:

Test 10, *Effect of Register Friction*, and Test 12, *Effect of Tilt*, apply to electromechanical meters only.

Test 20, *Effect of Temporary Overloads*, Test 21, *Effect of Current Surges in Ground Conductors*, and Test 23, *Effect of Voltage Variation/Secondary Time Base*, apply to self-contained meters only.

Test 22, *Effect of Superimposed Signals*, is no longer required.

Test 36, *Weather Simulation*, Test 37, *Salt-Spray*, and Test 38, *Rain-Tightness*, are intended for devices in outdoor applications.

The remaining 35 applicable tests were conducted at an accredited third-party test site outside of SEL. The accredited facility determined the SEL-735 is fully compliant with ANSI Std. C12.20-2015.

SEL-735 Successfully Passed All Watt-Hour Meter Tests

The SEL-735 proved fully functional in all watt-hour meter tests. Contact SEL if you would like a copy of the test report.

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