



## **ANSI C12.20-2010**

# **American National Standard**

**for Electricity Meters—  
0.2 and 0.5 Accuracy Classes**

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**ANSI C12.20-2010**  
Revision of ANSI C12.20-2002

**American National Standard**

**for Electricity Meters—**  
**0.2 and 0.5 Accuracy Classes**

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**American National Standards Institute, Inc.**

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**Foreword** (This Foreword is not part of American National Standard C12.20-2010.)

This American National Standard establishes acceptable performance criteria for electricity meters. Accuracy class designations, current class designations, voltage and frequency ratings, test current values, service connection arrangements, pertinent dimensions, form designations, and environmental tests are covered.

The existing C12.20 Standard has been revised with the intent to bring it up to date in an industry that is changing dramatically because of both technology and regulatory matters. This American National Standard establishes acceptable performance criteria for electricity meters.

The existing standard was broadened to allow three phase current and voltage sources as an optional test method to the existing single phase, series, parallel method.

In memoriam to Glenn Mayfield and Ed Malemezian: both had a passion for standards and members of SC16 felt fortunate to know and learn from them.

Suggestions for improvement to this standard are welcome. They should be sent to:

National Electrical Manufacturers Association  
Vice President, Technical Services  
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This standard was processed and approved for submittal to ANSI by Accredited Standards Committee for Electricity Metering, C12. At the time the committee approved this standard, the C12 Committee had the following members:

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**AMERICAN NATIONAL STANDARD**

**ANSI C12.20-2010**

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**For Electricity Meters—0.2 and 0.5 Accuracy Classes**

**1 SCOPE**

This standard establishes the physical aspects and acceptable performance criteria for 0.2 and 0.5 accuracy class electricity meters meeting Blondel's Theorem. Where differences exist between the requirements of this Standard and C12.1 and C12.10, the requirements of this Standard shall prevail.