

SECTION 25 36 13 {13429}

INTEGRATED AUTOMATION POWER METERS

{ELECTRICAL SENSING AND MEASUREMENT}

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This section includes instrument transformers, switches, relays, transducers, and meters for sensing and measuring electrical energy in buildings, facilities, and processes.

Manufacturers listed in this section were identified as representative and not as an endorsement for meeting this specification. For additional product information, visit 4Specs at [www.4specs.com](http://www.4specs.com), ARCAT at [www.arcata.com](http://www.arcata.com), First Source at [www.reedfirstsource.com](http://www.reedfirstsource.com), SpecSource at [www.specsource.com](http://www.specsource.com), and Sweets Network at [products.construction.com](http://products.construction.com).

This section includes performance, proprietary, and descriptive type specifications. Edit to avoid conflicting requirements.

Contact the CSRF Support Center at [supportcenter@csrf.org](mailto:supportcenter@csrf.org) to submit comments or suggestions for improvements to this specification. Visit the SPECTEXT web site at [www.spectext.com](http://www.spectext.com) for current product announcements.

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PART 1 GENERAL

1.1 SUMMARY

- A. Section includes instrument transformers, meters and meter switches, and relays.
- B. Related Sections:
  - 1. Section 25 50 00 - Integrated Automation Facility Controls.
- C. Related Sections:
  - 1. Section 13800 - Building Automation and Control.

1.2 REFERENCES

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List reference standards included within text of this section. Edit the following for Project conditions.

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- A. American National Standards Institute:
  - 1. ANSI C12.1 - Code for Electricity Metering.
  - 2. ANSI C39.1 - Requirements, Electrical Analog Indicating Instruments.
- B. Institute of Electrical and Electronics Engineers:
  - 1. IEEE C57.13 - Standard Requirements for Instrument Transformers.

- C. International Electrical Testing Association:
  - 1. NETA ATS - Acceptance Testing Specifications for Electrical Power Distribution Equipment and Systems.

### 1.3 SUBMITTALS

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Only request submittals needed to verify compliance with Project requirements.

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- A. Section 01 33 00 - Submittal Procedures {01330 - Submittal Procedures}: Submittal procedures.
- B. Product Data: Submit catalog data showing electrical ratings, adjustment ranges, enclosure type, outline dimensions, mounting dimensions, and terminal connection information.
- C. Test Reports: Indicate procedures and results for specified field testing and inspection.

### 1.4 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum three years [documented] experience.
- B. Testing Agency: Company [member of International Electrical Testing Association and] specializing in testing products specified in this section with minimum [three] [\_\_\_\_\_] years [documented] experience.