American National Standard

Test Blocks and Cabinets for Installation of Self-Contained “A” Base Watthour Meters

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FOREWORD

(This foreword is not part of ANSI C12.8-1981 (R1997) American National Standard for Test Blocks and Cabinets for the Installation of Self-Contained A-Base Watthour Meters.)

This standard covers the dimensions and functions of test blocks and cabinets used with self-contained A-base watthour meters.

This standard supersedes the requirements of the former AEIC-EEI-NEMA Standard for Test Blocks and Cabinets for the Installation of Self-contained "A" Base Watthour Meters, MSJ-8-1951, NEMA 103-1951.

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

Senior Technical Director, Operations
National Electrical Manufacturers Association
1300 North 17th Street
Rosslyn, VA 22209

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American National Standard for Test Blocks and Cabinets for Installation of Self-Contained A-Base Watthour Meters

1 SCOPE
This standard covers the dimensions and functions of test blocks and cabinets used with self-contained A-base Watthour meters.

2 DEFINITIONS

2.1 CABINET, TEST BLOCK
An enclosure to house a test block and wiring for a bottom-connected Watthour meter.

2.2 CONNECTOR
A coupling device employed to connect conductors of one circuit or transmission element with those of another circuit or transmission element.

2.3 DISCONNECT
A conductor, bar, or nut used to open an electrical circuit for isolation purposes.

2.4 TEST BLOCK
A terminal block with provisions for bypassing an electrical load to isolate a meter or other device for test purposes.

3 STANDARD RATINGS

3.1 CURRENT
Ratings shall be 100 A and 200 A.

3.2 VOLTAGE
Ratings shall be 300 V and 600 V.

4 GENERAL REQUIREMENTS

4.1 SPACINGS
Spacings shall be as indicated in Table 1. Grounded metal includes the enclosure and any metal in permanent electrical connection with the enclosure.

4.2 TEMPERATURE RISE
The temperature rise of current-carrying parts shall not exceed 55°C above an ambient temperature of 25°C at 100% of rated current.