



UL 25B

STANDARD FOR SAFETY

Meters for Diesel Fuel, Biodiesel Fuel, Diesel/
Biodiesel Blends with Nominal Biodiesel
Concentrations up to 20 Percent (B20), Kerosene,
and Fuel Oil

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UL Standard for Safety for Meters for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil, UL 25B

First Edition, Dated July 30, 2014

Summary of Topics

This first edition of the Standard for Meters for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil, ANSI/UL 25B, covers positive displacement liquid meters for use with motor fuel.

The requirements are substantially in accordance with Proposal(s) on this subject dated April 18, 2014.

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The requirements in this Standard are now in effect, except for those paragraphs, sections, tables, figures, and/or other elements of the Standard having future effective dates as indicated in the note following the affected item. The prior text for requirements that have been revised and that have a future effective date are located after the Standard, and are preceded by a "SUPERSEDED REQUIREMENTS" notice.

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ANSI/UL 25B-2014

UL 25B

**Meters for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with
Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and
Fuel Oil**

Prior to the first edition, the requirements for the products covered by this standard were included in the Outline of Investigation for Meters for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil, UL 25B.

First Edition

July 30, 2014

This ANSI/UL Standard for Safety consists of the First Edition.

The most recent designation of ANSI/UL 25B as an American National Standard (ANSI) occurred on July 30, 2014. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, or effective date information.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <http://csds.ul.com>.

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SUPPLEMENT SA - Test Fluids

SA.1 Representative aggressive combustible test fuel mixtures SA1



INTRODUCTION

1 Scope

1.1 These requirements cover positive displacement liquid meters for use with motor fuels. Motor fuels, as defined by these requirements, include one or more of the fuels described in 1.2.

1.2 Meters covered by these requirements are intended for use with one or more of the following as applicable:

- a) Diesel fuel and diesel/biodiesel blends with nominal biodiesel concentrations up to 5 percent (B0-B5) formulated in accordance with the Standard Specification for Diesel Fuel Oils, ASTM D975;
- b) Diesel/biodiesel blends with nominal biodiesel concentrations from 5 percent up to 20 percent (B6 – B20) formulated in accordance with the Standard Specification for Diesel Fuel Oil, Biodiesel Blends (B6 – B20), ASTM D7467;
- c) Biodiesel (B99.9/B100) formulated in accordance with the Standard Specification for Biodiesel Fuel Blend Stock (B100) for Middle Distillate Fuels, ASTM D6751;
- d) Kerosene formulated in accordance with the Standard Specification for Kerosine, ANSI/ASTM D3699; or
- e) Fuel oil (heating oil) formulated in accordance with the Standard Specification for Fuel Oils, ASTM D396.

1.3 Meters covered by this standard are for use in accordance with the National Fire Protection Association's Flammable and Combustible Liquids Code, ANSI/NFPA 30, and the Code for Motor Fuel Dispensing Facilities and Repair Garages, ANSI/NFPA 30A.

1.4 These requirements do not cover:

- a) Meters for use with fuels other than as described in 1.2;
- b) Velocity meters, head meters, or area meters;
- c) Meters for use in centralized fuel oil distribution systems; and
- d) Meter components incorporating electrical circuits except those meeting intrinsically safe or explosion standards.

1.5 Determinations of the suitability of registers, counters, or computers used or provided with these meters, or the accuracy of measurement resulting from or required in actual application are not within the scope of these requirements.