



UL 466

STANDARD FOR SAFETY

Electric Scales

*UL COPYRIGHTED MATERIAL –
NOT AUTHORIZED FOR FURTHER REPRODUCTION OR
DISTRIBUTION WITHOUT PERMISSION FROM*



Documents

Document Sharing Hub

UL Standard for Safety for Electric Scales, UL 466

Eighth Edition, Dated March 25, 1999

Summary of Topics

This revision of ANSI/UL 466 is being issued to reaffirm approval as an American National Standard. No changes in requirements are involved.

Text that has been changed in any manner or impacted by UL's electronic publishing system is marked with a vertical line in the margin.

The revisions are substantially in accordance with Proposal(s) on this subject dated March 8, 2013.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form by any means, electronic, mechanical photocopying, recording, or otherwise without prior permission of UL.

UL provides this Standard "as is" without warranty of any kind, either expressed or implied, including but not limited to, the implied warranties of merchantability or fitness for any purpose.

In no event will UL be liable for any special, incidental, consequential, indirect or similar damages, including loss of profits, lost savings, loss of data, or any other damages arising out of the use of or the inability to use this Standard, even if UL or an authorized UL representative has been advised of the possibility of such damage. In no event shall UL's liability for any damage ever exceed the price paid for this Standard, regardless of the form of the claim.

Users of the electronic versions of UL's Standards for Safety agree to defend, indemnify, and hold UL harmless from and against any loss, expense, liability, damage, claim, or judgment (including reasonable attorney's fees) resulting from any error or deviation introduced while purchaser is storing an electronic Standard on the purchaser's computer system.

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that have been revised and that have a future effective date are located after the Standard, and are preceded by a "SUPERSEDED REQUIREMENTS" notice.

UL COPYRIGHTED MATERIAL –
NOT AUTHORIZED FOR FURTHER REPRODUCTION OR
DISTRIBUTION WITHOUT PERMISSION FROM UL



Documents
Document Sharing Hub

No Text on This Page

*UL COPYRIGHTED MATERIAL –
NOT AUTHORIZED FOR FURTHER REPRODUCTION OR
DISTRIBUTION WITHOUT PERMISSION FROM UL*



Documents

Document Sharing Hub

MARCH 25, 1999
(Title Page Reprinted: June 13, 2013)



ANSI/UL 466-2004 (R2013)

1

UL 466

Standard for Electric Scales

The first through fifth editions were titled Electrically Illuminated Scales.

First Edition – November, 1953
Second Edition – November, 1966
Third Edition – April, 1971
Fourth Edition – November, 1976
Fifth Edition – June, 1982
Sixth Edition – May, 1983
Seventh Edition – January, 1994

Eighth Edition

March 25, 1999

This ANSI/UL Standard for Safety consists of the Eighth Edition including revisions through June 13, 2013.

The most recent designation of ANSI/UL 466 as a Reaffirmed American National Standard (ANS) occurred on June 13, 2013. 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>.

UL's Standards for Safety are copyrighted by UL. Neither a printed nor electronic copy of a Standard should be altered in any way. All of UL's Standards and all copyrights, ownerships, and rights regarding those Standards shall remain the sole and exclusive property of UL.

COPYRIGHT © 2013 UNDERWRITERS LABORATORIES INC.

**UL COPYRIGHTED MATERIAL –
NOT AUTHORIZED FOR FURTHER REPRODUCTION OR
DISTRIBUTION WITHOUT PERMISSION FROM UL**



Documents
Document Sharing Hub

No Text on This Page

*UL COPYRIGHTED MATERIAL –
NOT AUTHORIZED FOR FURTHER REPRODUCTION OR
DISTRIBUTION WITHOUT PERMISSION FROM*



Documents

Document Sharing Hub

CONTENTS

INTRODUCTION

1 Scope	5
2 General	5
2.1 Components	5
2.2 Units of measurement	6
2.3 Undated references	6

CONSTRUCTION

3 Enclosure	6
4 Mechanical Assembly	6A
5 Protection Against Corrosion	6A
6 Supply Connections	6A
7 Grounding	6B
8 Internal Wiring	7
9 Switches	8
10 Ballasts	9
11 Spacings	9
12 Double-Insulated Scales	9

PERFORMANCE

13 Temperature Test	9
14 Dielectric Voltage-Withstand Test	10
15 Endurance Test	11

MANUFACTURING AND PRODUCTION TESTS

16 Production-Line Dielectric Voltage-Withstand Test	11
17 Production-Line Grounding-Continuity Test	12

RATINGS

18 Details	13
------------------	----

MARKINGS

19 Details	13
------------------	----

APPENDIX A

Standards for Components.....	A1
-------------------------------	----