JOINT CANADA-UNITED STATES
NATIONAL STANDARD

ANSI/CAN/UL 393:2026

STANDARD FOR SAFETY

Indicating Pressure Gauges for Fire-Protection Service

ANSI/UL 393-2026

SCC FOREWORD

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UL Standard for Safety for Indicating Pressure Gauges for Fire-Protection Service, ANSI/CAN/UL 393

Ninth Edition, Dated March 3, 2026

SUMMARY OF TOPICS

This new Ninth Edition of ANSI/CAN/UL 393 dated March 3, 2026 is issued to reflect the latest ANSI and SCC approval dates as an American National Standard (ANS) and National Standard of Canada (NSC) and to incorporate the proposal(s) dated November 21, 2025.

The new requirements are substantially in accordance with Proposal(s) on this subject dated November 21, 2025.

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MARCH 3, 2026

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Standard for Indicating Pressure Gauges for Fire-Protection Service

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Sixth Edition – January, 1991
Seventh Edition – June, 1996
Eighth Edition – March, 2005

Ninth Edition

March 3, 2026

This ANSI/CAN/UL Safety Standard consists of the Ninth Edition.

The most recent designation of ANSI/UL 393 as an American National Standard (ANSI) occurred on March 3, 2026. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, Preface or SCC Foreword.

This Standard has been designated as a National Standard of Canada (NSC) on March 3, 2026.

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Preface

This is the Ninth Edition of ANSI/CAN/UL 393, Standard for Indicating Pressure Gauges for Fire-Protection Service.

ULSE is accredited by the American National Standards Institute (ANSI) and the Standards Council of Canada (SCC) as a Standards Development Organization (SDO).

This Standard has been developed in compliance with the requirements of ANSI and SCC for accreditation of a Standards Development Organization.

This ANSI/CAN/UL 393 Standard is under continuous maintenance, whereby each revision is approved in compliance with the requirements of ANSI and SCC for accreditation of a Standards Development Organization. In the event that no revisions are issued for a period of four years from the date of publication, action to revise, reaffirm, or withdraw the standard shall be initiated.

In Canada, there are two official languages, English and French. All safety warnings must be in French and English. Attention is drawn to the possibility that some Canadian authorities may require additional markings and/or installation instructions to be in both official languages.

This Ninth Edition joint American National Standard and National Standard of Canada is based on, and now supersedes, the Eighth Edition of UL 393 and ULC/ORD-C393.

Comments or proposals for revisions on any part of the Standard may be submitted at any time. Proposals should be submitted via a Proposal Request in the Collaborative Standards Development System (CSDS) at https://csds.ul.com.

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This Edition of the Standard has been formally approved by the Technical Committee (TC) on Indicating Pressure Gauges For Fire-Protection Service, TC 393.

This list represents the TC 393 membership when the final text in this Standard was balloted. Since that time, changes in the membership may have occurred.

TC 393 Membership

Name	Representing	Interest Category	Region
K. Bell	UL Solutions	Testing & Standards Org.	USA
D. Casey	Mississauga Fire Emergency Services	Authorities Having Jurisdiction	Ontario
G. Edwards	UL Standards & Engagement	TC Project Manager – Non-voting	USA
H. Gao	City of Markham	Authorities Having Jurisdiction	Ontario
R. Hackett	Johnson Controls Inc	Producer	USA
D. Haithcock	UL Standards & Engagement	TC Chair – Non-voting	USA
M. Hennegan	MLH Fire Protection LTD	Supply Chain	Canada

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J. Hoy	Ashcroft INC	Producer	USA
M. Ikram	Waterfall pumps Manufacturing	Supply Chain	United Arab Emirates
R. McCullough	Standards Individuals	General Interest	Canada
C. McLean	Midland Fire Department	Authorities Having Jurisdiction	Ontario
S. Pearce	National Fire Equipment LTD.	Supply Chain	Canada
M. Savage	Marion County, FL	Authorities Having Jurisdiction	USA

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This Standard is intended to be used for conformity assessment.

The intended primary application of this Standard is stated in its scope. It is important to note that it remains the responsibility of the user of the standard to judge its suitability for this particular application.

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INTRODUCTION

1 Scope

1.1 These requirements cover indicating pressure gauges of the elastic element type intended for use with sprinkler or standpipe equipment for fire-protection service.

1.2 These requirements cover gauges of trade sizes 3-1/2 to 4-1/2 inches (90 to 115 mm), inclusive.

1.3 The gauges covered by these requirements are intended for installation and use according to the following standards:

a) Standard for Installation of Sprinkler Systems, NFPA 13;

b) Standard for Installation of Standpipe and Hose Systems, NFPA 14;

c) Standard for Installation of Private Fire Service Mains and Their Appurtenances, NFPA 24; and

d) Standard for Installation of Stationary Fire Pumps for Fire Protection, NFPA 20.

2 Components

2.1 Except as indicated in 2.2, a component of a product covered by this Standard shall comply with the requirements for that component.

2.2 A component is not required to comply with a specific requirement that:

a) Involves a feature or characteristic not required in the application of the component in the product covered by this Standard; or

b) Is superseded by a requirement in this Standard.

2.3 A component shall be used in accordance with its rating established for the intended conditions of use.

2.4 Specific components are incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits, and shall be used only under those specific conditions.

3 Units of Measurement

3.1 Where values of measurement are specified in both SI and U.S. Customary units, it is the responsibility of the user of this Standard to determine the unit of measurement appropriate for the user's needs.

4 Referenced Publications

4.1 Any undated reference to a code or standard appearing in the requirements of this Standard shall be interpreted as referring to the latest edition of that code or standard.

4.2 The following publications are referenced in this Standard:

ASME B1.20.1, *Pipe Threads, General Purpose, Inch*

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ASME B40.100, *Pressure Gauges and Gauge Attachments*

ASTM G155, *Standard Practice for Operating Xenon Arc Lamp Apparatus for Exposure of Materials*

NFPA 13, *Installation of Sprinkler Systems*

NFPA 14, *Installation of Standpipe and Hose Systems*

NFPA 20, *Installation of Stationary Pumps for Fire Protection*

NFPA 24, *Installation of Private Fire Service Mains and Their Appurtenances*

SAE Z26.1, *Safety Glazing Motor Vehicles and Motor Vehicle Equipment Operating on Land Highways*

CONSTRUCTION

5 General

5.1 Pressure connections shall be tapered pipe threads in the 1/4-inch size conforming with ASME B1.20.1.

6 Sizes

6.1 The size of a gauge enclosed in a cylindrical case is to be the inside diameter of the case, in inches, measured at the face of the dial.

6.2 The dimensions of a flush or surface mounted pressure gauge shall be as specified in Table 6.1.

Table 6.1
Flush and Surface Mounted Gauge Dimensions

Gauge size	Mounting bolt circle diameter		Case bolt hole diameter		Outside diameter of flush mounted case, maximum	
inches	inches	(mm)	inches	(mm)	inches	(mm)
3-1/2	4.25	(108)	0.22	(5.6)	3.75	(95.3)
4-1/2	5.38	(137)	0.22	(5.6)	4.88	(124)

7 Dials

7.1 The range of a gauge dial shall be as specified in Table 7.1.

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