

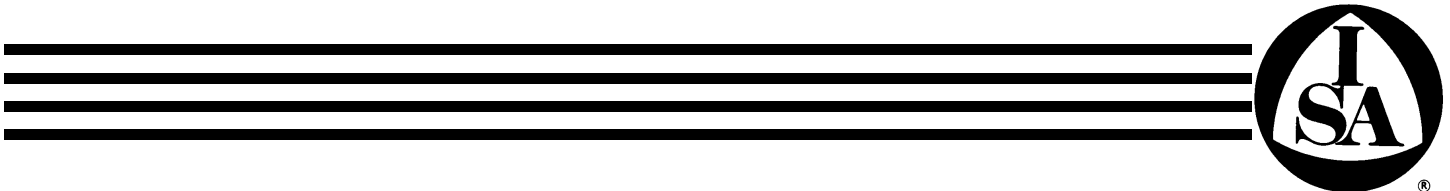
ISA-RP92.04.02, Part II-1996

Approved May 15, 1996

Recommended Practice



Installation, Operation, and Maintenance of Instruments Used to Detect Oxygen- Deficient/Oxygen-Enriched Atmospheres



ISA-RP92.04.02, Part II — Installation, Operation, and Maintenance of Instruments Used To Detect Oxygen-Deficient/Oxygen-Enriched Atmospheres

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This preface, all footnotes, and annexes are included for informational purposes and are not a part of ISA-RP92.04.02, Part II.

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1 Scope

1.1 ISA-RP92.04.02, Part II, applies to all oxygen detection instruments that satisfy the performance requirements in ANSI/ISA-S92.04.01, Part I, *Performance Requirement for Instruments Used to Detect Oxygen-Deficient/Oxygen-Enriched Atmospheres*.

1.2 Definitions of terms, as used herein, are referenced in Clause 3 of ANSI/ISA-S92.04.01, Part I.

1.3 References useful in the installation, operation, and maintenance of oxygen detection instruments are listed in Annex C. These references are not considered to be part of this document, except for those specific clauses of documents referenced elsewhere in this Recommended Practice.

2 Purpose

This Recommended Practice establishes user criteria for the installation, operation, and maintenance of instruments used to detect oxygen-deficient/oxygen-enriched atmospheres.

Its companion Standard, ANSI/ISA-S92.04.01, Part I, provides minimum requirements for the performance of instruments used to detect oxygen-deficient/oxygen-enriched atmospheres.

3 General requirements

3.1 The following general requirements are intended to ensure that the instrument is suitable for the intended application and is compatible with its operating environment:

- a) The user should provide the potential supplier with detailed information on the conditions that exist in the area(s) in which the instrument is to be used;
- b) The instrument must meet the requirements of the applicable authority having jurisdiction; and
- c) The instrument must be compatible with the environmental conditions; e.g., relative humidity, temperature, altitude, and atmospheric contaminants, etc. in which the instrument is to operate. A typical "Environmental and Application Checklist," included as Annex A, is intended to aid users in properly specifying requirements for their specific applications.