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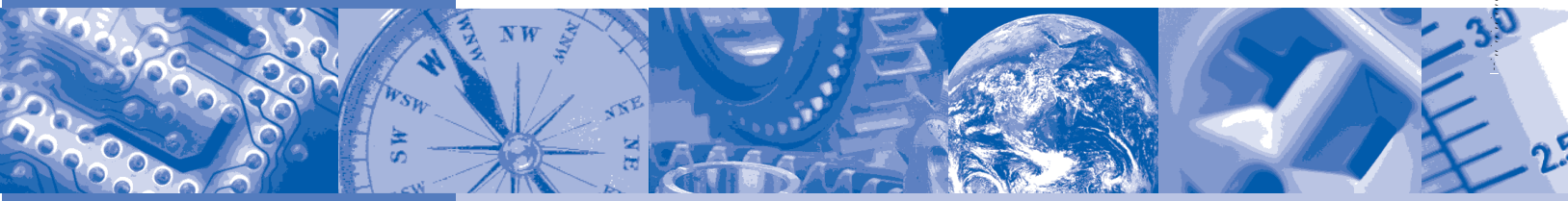
ISA–RP92.03.02–1999



Installation, Operation, and Maintenance of Ammonia Detection Instruments (25-500 ppm Full Scale)

Approved 31 January 1999

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CONTENTS

1 Scope 8
2 Purpose 8
3 General requirements 8
4 Unpacking 8
5 Storage 8
6 User record-keeping 9
7 Maintenance 9
8 Preparing instruments for use 9
9 Installation of stationary instruments 9
9.1 Installation in hazardous (classified) locations 10
9.2 Detector-head locations 10
9.3 Installation considerations 10
10 Equipment checkout procedures 11
10.1 Portable instruments 11
10.2 Stationary instruments 12
11 General considerations 13
11.1 General 13
11.2 Atypical mixtures 14
11.3 Desensitizing agents 14
11.4 Entering atmospheres potentially containing ammonia 14
11.5 Use of appropriate accessories 14
11.6 Electromagnetic interference (EMI) 15
11.7 Maintenance schedule 15
12 Operational checks 15
13 Maintenance procedures 16
13.1 General 16
13.2 Preliminary checkout 16
13.3 Detector head 17
13.4 Sample-draw system 17
13.5 Readout devices 17
13.6 Alarms 18
13.7 Calibration test 18

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14 External power supply systems 19
14.1 General 19
14.2 AC supplies 19
14.3 DC supplies 19
Annex A (Informative) — Environmental and application checklist for ammonia detectors (typical) ... 21
Annex B (Informative) — Instrument maintenance record for ammonia detectors (typical) 23
Annex C (Informative) — References 25

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1 Scope

1.1 This Recommended Practice applies to all ammonia gas-detection instruments that satisfy the performance requirements in ISA-S92.03.01.

1.2 Reference Clause 3 of ISA-S92.03.01 for definitions of terms as used herein.

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

2 Purpose

ISA-RP92.03.02 establishes user criteria for the installation, operation, and maintenance of ammonia gas-detection instruments.

Its companion standard, ISA-S92.03.01, "Performance Requirements for Ammonia Detection Instruments," has been prepared to provide minimum requirements for the performance of ammonia gas-detection instruments.

3 General requirements

To assure that the instrument is suitable for the 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 regulating agency having jurisdiction; and

c) the instrument must be compatible with the environmental conditions (e.g., relative humidity, temperature, and atmospheric contaminants), in which the instrument is to operate. A typical "Environmental and Application Checklist" is included as Annex A and is intended to aid users in properly specifying requirements for their specific applications.

4 Unpacking

4.1 Unpack the shipping carton(s) and determine whether the order is complete "as received." Check for main assembly, accessories, spare parts, and instruction manual. Understanding the manufacturer’s instruction manual is of vital importance to the future operation and maintenance of the ammonia gas-detection instrument.

4.2 In the event of shipment damage, or for purposes of future correspondence, record the following:

a) user's purchase order number and manufacturer's order number, and their respective dates;

b) carrier waybill number and date received in case of transit claim; and

c) instrument serial number and user identification (ID) number, if assigned.

5 Storage

5.1 When storing ammonia gas-detection instruments, leave them in their original containers or provide suitable protective covers.

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