

Model 370 LevelRay Sensor

Safety and Certification Sheet



Safety Sheet #69-4873-002

Rev. A, April 15, 2026

Overview

This document contains the required safety and regulatory information for the model 370 LevelRay sensor. The model 370 LevelRay Sensor Installation and Operation Guide is available and can be requested from Teledyne ISCO.

⚠ CAUTION

Cautions identify a potential hazard, which if not avoided, may result in minor or moderate injury. This category can also warn you of unsafe practices, or conditions that may cause property damage.

⚠ WARNING

Warnings identify a potentially hazardous condition, which if not avoided, could result in death or serious injury.

⚠ DANGER

DANGER – limited to the most extreme situations to identify an imminent hazard, which if not avoided, will result in death or serious injury.

Hazard Symbols	
Warnings and Cautions	
	The exclamation point within the triangle is a warning sign alerting you of important instructions in the instrument's technical reference manual.
	The lightning flash and arrowhead within the triangle is a warning sign alerting you of "dangerous voltage" inside the product.
	Pinch point. These symbols warn you that your fingers or hands will be seriously injured if you place them between the moving parts of the mechanism near these symbols.

Hazard Symbols (Continued)

Symboles de sécurité	
	Ce symbole signale l'existence d'instructions importantes relatives au produit dans ce manuel.
	Ce symbole signale la présence d'un danger d'électrocution.
	Risque de pincement. Ces symboles vous avertit que les mains ou les doigts seront blessés sérieusement si vous les mettez entre les éléments en mouvement du mécanisme près de ces symboles.
Warnungen und Vorsichtshinweise	
	Das Ausrufezeichen in Dreieck ist ein Warnzeichen, das Sie darauf aufmerksam macht, daß wichtige Anleitungen zu diesem Handbuch gehören.
	Der gepfeilte Blitz im Dreieck ist ein Warnzeichen, das Sie vor "gefährlichen Spannungen" im Inneren des Produkts warnt.
	Vorsicht Quetschgefahr! Dieses Symbol warnt vor einer unmittelbar drohenden Verletzungsgefahr für Finger und Hände, wenn diese zwischen die beweglichen Teile des gekennzeichneten Gerätes geraten.

Bluetooth Access Code

IMPORTANT

Save this code! It is required to unlock the device if the user-supplied access code is lost.

217G01243
Emergency Codes:
ACCESS CODE: AAAAAA
USER ACCESS CODE: BBBB
CONFIG PROTECT CODE: CCCCCC

Before installing, operating, or maintaining this equipment, it is imperative that all hazards and preventive measures are fully understood. While specific hazards may vary according to location and application, heed the following general warnings:

WARNING

This sensor has not been certified for use in “hazardous locations” as defined by the National Electric Code.

WARNING

Avoid hazardous practices! If you use this instrument in any way not specified in this manual, the protection provided by the instrument may be impaired.

AVERTISSEMENT

Éviter les usages périlleux! Si vous utilisez cet instrument d’une manière autre que celles qui sont spécifiées dans ce manuel, la protection fournie de l’instrument peut être affaiblie; cela augmentera votre risque de blessure.

WARNING

The installation and use of this product may subject you to hazardous working conditions that can cause you serious or fatal injuries. Take any necessary precautions before entering a worksite. Install and operate this product in accordance with all applicable safety and health regulations, and local ordinances.

WARNING

This product is often installed in confined spaces. Some examples of confined spaces are manholes, pipelines, digesters, and storage tanks. These spaces may become hazardous environments that can prove fatal for those unprepared. These spaces are governed by OSHA 1910.146 and require a permit before entering.

CAUTION

Install the sensor at least 20 cm from places where people may gather to minimize radio frequency radiation exposure.

FCC

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at their own expense.

NOTICE

Do not perform changes or modifications to this equipment that are not authorized by Teledyne Instruments, Inc., as this could void your authority to operate it.

Canada

Caution: This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.

CAN ICES-001 (A) / NMB-001 (A)

This Industrial, Scientific and Medical (ISM) apparatus has been tested and found to comply with the limits for a Class A device, pursuant to the Canadian Interference-Causing Equipment Standard 001 (ICES-001). These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

Cet appareil industriel, scientifique et médical (ISM) a été testé et jugé conforme aux limites pour un appareil de classe A, conformément à la norme canadienne sur les équipements causant des interférences 001 (NMB-001). Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles lorsque l'équipement est utilisé dans un environnement commercial. Cet équipement génère, utilise et peut émettre de l'énergie radiofréquence et, s'il n'est pas installé et utilisé conformément au manuel d'instructions, peut causer des interférences nuisibles aux communications radio. L'utilisation de cet équipement dans une zone résidentielle est susceptible de causer des interférences nuisibles, auquel cas l'utilisateur sera tenu de corriger les interférences à ses propres frais.

EU

Notice: This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.

This Industrial, Scientific, and Medical (ISM) apparatus is categorized as Group 1, Class A equipment. It has been tested and found to comply with the limits for a Class A device, pursuant to EN 55011 (CISPR 11) limits. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Technical assistance for the Teledyne ISCO Model 370 LevelRay sensor can be obtained from

Teledyne ISCO
4700 Superior St.
Lincoln NE 68504

Phone: (800) 228-4373 or (402) 464-0231

Fax: (402) 465-3022

E-mail: iscowatersupport@teledyne.com

Teledyne ISCO

P.O. Box 82531, Lincoln, Nebraska, 68501 USA

Toll-free: (800) 228-4373 • Phone: (402) 464-0231 • Fax: (402) 465-3022

Email: Isco.Service@teledyne.com

Teledyne ISCO is continually improving its products and reserves the right to change product specifications, replacement parts, schematics, and instructions without notice.



EU DECLARATION OF CONFORMITY

We the manufacturer:

Manufacturer's Name: Manufacturer's Address:	Teledyne ISCO 4700 Superior Street, Lincoln, NE 68504 USA
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Declare, under our sole responsibility, that the following equipment:

Product Model: Object of Declaration:	Model 370 LevelRay Radar level sensor containing a 60GHz radar device and Bluetooth transmitter.
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Is designed and manufactured in compliance with the following applicable Directives and Standards:

Directive (Union Legislation)	Standard
2014/53/EU Radio Equipment	EN 300 328 V2.2.2 ² EN 302 729 V2.1.1 ² EN IEC 62311:2020 ¹ EN 61010-1:2010/A1:2019 ¹ ETSI EN 301 489-1 V2.2.3 ¹ EN 18031-1:2024 ³
2011/863/EU RoHS (including all amendments)	EN IEC 63000:2018

Notes:

1. Covers essential requirements of Article 3(1).
2. Covers essential requirements of Article 3(2).
3. Covers essential requirements of Article 3(3).

I, the undersigned, hereby declare, by sole responsibility of the manufacturer, that the design of the equipment specified above conforms to the above Directives and Standards, and the fulfilment of essential safety requirements and essential requirements set out in the Directives have been demonstrated.

Authorized Signatory

Signature:



Name:

Samuel Ramey

Title:

Director of Engineering

Date:

4/14/2026



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产品中有毒有害物质或元素的名称及含量

Name and amount of Hazardous Substances or Elements in the product

部件名称 Component Name	有毒有害物质或元素 Hazardous Substances or Elements					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二联苯 (PBDE)
线路板 Circuit Boards	O	O	O	O	O	O
接线 Wiring	O	O	O	O	O	O
接头 Connectors	O	O	O	O	O	O

产品中有毒有害物质或元素的名称及含量：Name and amount of Hazardous Substances or Elements in the product

O: 表示该有毒有害物质在该部件所有均质材料中的含量均在ST/ 标准规定的限量要求以下。

O: Represent the concentration of the hazardous substance in this component's any homogeneous pieces is lower than the ST/ standard limitation.

X: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出ST/ 标准规定的限量要求。

(企业可在此处，根据实际情况对上表中打“X”的技术原因进行进一步说明。)

X: Represent the concentration of the hazardous substance in this component's at least one homogeneous piece is higher than the ST/ standard limitation.

(Manufacturer may give technical reasons to the “X”marks)

环保使用期由经验确定。

The Environmentally Friendly Use Period (EFUP) was determined through experience.

生产日期被编码在系列号码中。前三位数字为生产年(207 代表 2007 年)。随后的一个字母代表月份：

A 为一月，B 为二月，等等。

The date of Manufacture is in code within the serial number. The first three numbers are the year of manufacture (207 is year 2007) followed by a letter for the month. "A" is January, "B" is February and so on.