

# 6712 Portable and 6712FR Sampler Safety and Certification Sheet

## Overview

This document contains the required safety and regulatory information for the 6712 Portable and 6712FR Samplers and the 701, 720, 730, 750 and 780 Modules. The 6712 Portable Sampler and the Modules Installation and Operation Guides and Warranty Statements are available from [www.teledyneisco.com](http://www.teledyneisco.com).

### 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.

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, take heed in the following general warnings:

### WARNING

This instrument has not been certified for use in "hazardous locations" as defined by the National Electrical 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**

Danger of explosion if lithium battery is incorrectly replaced. Replace with the same type, ensuring correct polarity. Do not dispose of used lithium battery in fire.

**⚠ WARNING**

The pump's safety lock prevents the sampler from running the pump when the pump band is open. DO NOT tamper with the safety mechanism. The pump is extremely powerful. The pump rollers can injure you severely if the sampler activates the pump while you are working on it or inside it. Disconnect power from the sampler before replacing the pump tube.

**⚠ WARNING**

Removing the front or back panel exposes electrical and mechanical hazards. Disconnect the power before performing any service activities. Troubleshooting and repair activities should be performed by a qualified refrigeration technician.

**⚠ 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**

All refrigeration repair work must be performed by a qualified refrigeration technician. Always purge the system with nitrogen. NEVER USE AIR to purge the system. Always recover the refrigerant. When recharging, do not leave a line tap in the refrigeration system because of possible corrosion or leakage problems.

**⚠ WARNING**

Tests indicate that the pump produces sound levels in excess of 85dB at one meter. PROLONGED EXPOSURE TO THIS SOUND LEVEL COULD RESULT IN HEARING LOSS AND REQUIRES THE USE OF PROTECTIVE EAR PLUGS.

**⚠ CAUTION**

Tests have shown that the Modules are affected by RF radiation such as that from radio and TV station towers that are located nearby. If sporadic changes in water level occur as indicated on the sampler's display, the instrument will have to be relocated. Walkie talkies or cell phones must not be operated within 3 meters (10 feet) of the instrument for the same reason.

**⚠ CAUTION**

Under no circumstances should you leave any extra length of sensor cable dangling freely in the flow stream where it could trap debris or become tangled.

Use gloves and eye protection when assembling and installing the rings in a pipe. Though deburred, the edges of the stainless steel can cut if improperly handled. Please read the information on how best to install this device. Observe general safety procedures when entering any man-hole.

Technical assistance for the Teledyne ISCO 6712 Portable Sampler and Modules 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: [IscoService@teledyne.com](mailto:IscoService@teledyne.com) or  
[Iscoeps@teledyne.com](mailto:Iscoeps@teledyne.com)

# DECLARATION OF CONFORMITY



Application of Council Directive: 2014/30/EU – The EMC Directive  
2014/35/EU – The Low Voltage Directive  
2011/65/EU – The RoHS Directive

Manufacturer's Name: Teledyne Isco  
Manufacturer's Address: 4700 Superior, Lincoln, Nebraska 68504 USA  
Mailing Address: P.O. Box 82531, Lincoln, NE 68501

Equipment Type/Environment: Laboratory Equipment for Light Industrial/Commercial Environments

Trade Name/Model No: 6712 Sampler

Year of Issue: 2017

Standards to which Conformity is Declared: EN 61326-1:2013      EMC Requirements for Electrical Equipment for  
Measurement, Control, and Laboratory Use  
EN 61010-1:2010      Safety Requirements for Electrical Equipment for  
Measurement, Control, and Laboratory Use

I, the undersigned, hereby declare that the design of the equipment specified above conforms to the above Directives and Standards as of July 17, 2017.

Edward J. Carter  
USA Representative



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60-9002-068  
Rev C

# DECLARATION OF CONFORMITY



Application of Council Directive: 2014/30/EU – The EMC Directive  
2014/35/EU – The Low Voltage Directive  
2011/65/EU – The RoHS Directive

Manufacturer's Name: Teledyne Isco  
Manufacturer's Address: 4700 Superior, Lincoln, Nebraska 68504 USA  
Mailing Address: P.O. Box 82531, Lincoln, NE 68501

Equipment Type/Environment: Laboratory Equipment for Light Industrial/Commercial Environments

Trade Name/Model No: 6712FR Sampler

Year of Issue: 2017

Standards to which Conformity is Declared: EN 61326-1:2013 EMC Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use  
EN 61010-1:2010 Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use  
EN60529:1992/A2:2013 Degrees of Protection Provided by the Enclosure: IP-26

I, the undersigned, hereby declare that the design of the equipment specified above conforms to the above Directives and Standards as of July 17, 2017.

Edward J. Carter  
USA Representative

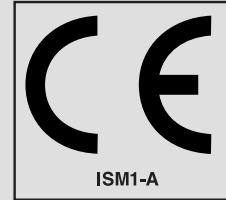


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60-9002-072  
Rev C

# DECLARATION OF CONFORMITY



Application of Council Directive: 89/336/EEC – The EMC Directive  
73/23/EEC – The Low Voltage Directive  
Manufacturer's Name: Teledyne Isco, Inc.  
Manufacturer's Address: 4700 Superior, Lincoln, Nebraska 68504 USA  
Mailing Address: P.O. Box 82531, Lincoln, NE 68501  
Equipment Type/Environment: Laboratory Equipment for Light Industrial/Commercial Environments  
Trade Name/Model No: 4200T Modem  
Year of Issue: 2001  
Standards to which Conformity is Declared: EN 55024-1998 EMC Requirements for Information Technology Equipment  
EN 60950 Safety Requirements for Information Technology Equipment  
FCC Part 68

Standard	scription	Severity Applied	Performance Criteria
EN61000-4-2	Electrostatic Discharge	Level 2 - 4kV contact discharge Level 3 - 8kV air discharge	B B
EN61000-4-3	Radiated RF Immunity	80 MHz to 1000MHz 80% AM at 1kHz Level 1 – 10V/m	A
EN61000-4-4	Electrical Fast Transient	Level 2 - 2kV on ac lines	B
EN61000-4-5	Surge on AC Lines	2kV common mode, 1kV differential mode	B
EN61000-4-6	Conducted RF on AC lines	150 kHz to 80 MHz, 3V rms, 80% modulated	B
EN61000-4-11	Voltage Dips/Short Interruptions	0.5 cycle, each polarity/100%	B
EN 55022	RF Emissions	Group 1, Class A, Information Technology Equipment	
EN61000-3-2, 3-3	Harmonic, Flicker		

We, the undersigned, hereby declare that the design of the equipment specified above conforms to the above Directive(s) and Standards as of July 5, 2001.

William Foster  
USA Representative



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60-3212-049  
Rev. A

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	X	O	O	O	O	O
显示 Display	X	O	O	O	O	O
接线 Wiring	O	O	O	O	X	O
内部电缆 Internal Cables	O	O	O	O	X	O
压缩机 Compressor	O	O	O	O	X	O
绝缘, 绝热 Insulation	O	O	O	O	X	O
主电源线 Line Cord	O	O	O	O	X	O
电源 Power Supply	X	O	O	O	X	O
直流电机 DC Motor	X	O	O	O	X	O
小键盘 Keypad	O	O	O	O	X	O
接头 Connectors	O	O	X	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.