

5800 Refrigerated Sampler Safety and Certification Sheet

Overview

This document contains the required safety and regulatory information for the 5800 Refrigerated Samplers. The 5800 Refrigerated Sampler Installation and Operation Guide and Warranty Statement are available and can be downloaded from 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 Sei 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**

Be sure the power is disconnected from the unit before you exchange the pump tubing. The pump is extremely powerful. If the sampler activates the pump while you are manipulating the tubing within the pump, you may be seriously injured.

 **WARNING**

Electrocution hazard. Never manipulate electrical switches or power connections with wet hands or when your feet are in contact with water.

 **WARNING**

AC electrical power must meet the applicable electrical code requirements for your installation and must be provided with an earth ground connection. If necessary, consult with a certified electrician to ensure that AC power is provided in accordance with the local electrical code.

 **WARNING**

Never modify the AC power cord or use a three-prong to two-prong adapter..

 **WARNING**

If this device's power cord is frayed or otherwise damaged, discontinue its use immediately. The AC power cord is not user-serviceable and must be returned to the factory for repair or replacement.

 **WARNING**

Servicing of this product without proper training and qualifications can potentially expose you to electrical and mechanical hazards that can result in serious or fatal injury. Servicing must be performed only by trained and qualified personnel.

 **WARNING**

Removing a module exposes you to electrical and mechanical hazards. Always disconnect from AC power before attempting to remove any module. Only trained service personnel may remove or replace these modules.

 **WARNING**

The sampler has a safety interlock that prevents the pump from operating when the pump housing band is open. The pump is extremely powerful and can injure you severely if the sampler activates the pump during maintenance/servicing. Remove power from the sampler before opening the pump housing.

Technical assistance for the Teledyne ISCO 5800 Refrigerated Sampler 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 or
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: 5800 Sampler

Year of Issue: 2017

Standards to which Conformity is Declared:	EN 55011:2016	EMC Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use
	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
	EN 61000-3-2:2014	Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
	EN 61000-3-3:2013	Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A
	EN60529:1992/A2:2013	Degrees of Protection Provided by Enclosure: IP-68

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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60-5802-030
Rev C

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 或元素 Hazardous Substances or Elements					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴联苯醚 (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	O	X
内部电缆 Internal Cables	O	O	O	O	O	X
压缩机 Compressor	O	O	O	O	O	X
绝缘, 绝热 Insulation	X	O	O	O	O	X
绝缘泡沫 Insulation Foam	O	O	O	O	O	X
主电源线 Line Cord	O	O	O	O	O	X
电源 Power Supply	X	O	O	O	O	X
直流电机 DC Motor	X	O	O	O	O	X
小键盘 Keypad	O	O	O	O	O	X

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.