

BLZZRD™ Sampler Safety and Certification Sheet

Overview

This document contains the required safety and regulatory information for the BLZZRD Samplers. The BLZZRD 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'électocution.
	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, heed the following general warnings:

 **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**

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

 **WARNING**

The sampler has a safety interlock that prevents the pump from operating when the pump housing band is open. **DO NOT** tamper with the pump housing and band. The pump is extremely powerful. The pump can injure you severely if the sampler activates the pump while you are working on it. Place the sampler controller in the Standby state before opening the pump housing.

 **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. Dispose of battery in accordance with local laws or authority.

 **WARNING**

Removing the controller exposes the electrical connector. Do not apply power to the BLZZRD while the controller is removed. Close the controller cover to protect the exposed connector and to prevent injuries.

 **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.

 **WARNING**

Positions other than the BLZZRD's normal upright position will drain the lubricant away from the refrigerator compressor. Operation without adequate lubrication may permanently damage the refrigeration system. If the BLZZRD is turned over for more than a few seconds, the BLZZRD refrigeration system must not be operated for at least one hour after returning the BLZZRD to its upright position.

 **WARNING**

Prolonged exposure to noise while the pump is operating could result in hearing loss. Tests indicate that the pump produces sound levels in excess of 85db at one meter. If you are operating the pump for long durations, always wear hearing protection.

Technical assistance for the Teledyne ISCO
BLZZRD 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: iscowatersupport@teledyne.com

EAR-Controlled Technology Subject to Restrictions Contained on the Cover Page

Teledyne ISCO

P.O. Box 82531, Lincoln, Nebraska, 68501 USA
Toll-free: (800) 228-4373 • Phone: (402) 464-0231 • Fax: (402) 465-3091



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:	BLZZRD Includes: 720 Submerged Probe Module 730 Bubbler Module 780 4-20 mA Input Module BLZZRD is a portable refrigerated sampler with active cooling from either AC or battery power.
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Is designed and manufactured in compliance with the following applicable Directives and Standards:

Directive - Union Legislation	Standard
2014/35/EU – Low Voltage	EN 61010-1:2010/A1:2019
2014/30/EU – EMC	EN 55011:2016/A1:2017/A11:2020 EN 61000-3-2:2014 EN 61000-3-3:2013 EN 61326-1:2013
2011/65/EU – ROHS, with amendments	EN IEC 63000:2018

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: 4/18/2024



4700 Superior Street
Lincoln, NE 68504 USA
+1 402-464-0231
www.teledyneisco.com

UK 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:	BLZZRD
Object of Declaration:	Includes: 720 Submerged Probe Module 730 Bubbler Module 780 4-20 mA Input Module BLZZRD is a Portable Refrigerated Sampler with active cooling from either AC or battery power.

Is designed and manufactured in compliance with the following applicable Regulations and Standards:

Statutory Instrument (Regulation)	Standard
UKSI 2016 /1101 Electrical Equipment (Safety)	EN 61010-1:2010/A1:2019
UKSI 2016/1091 EMC	EN 55011:2016/A1:2017/A11:2020 EN 61000-3-2:2013 EN 61000-3-2:2014 EN 61326-1:2013
UKSI 2012/3032 RoHS	EN IEC 63000:2018

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:



Samuel Ramey

Name:

Director of Engineering

Title:

4/18/2024

Date:

4/18/2024



4700 Superior Street
Lincoln, NE 68504 USA
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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:	BLZZRD
Object of Declaration:	BLZZRD is a portable refrigerated sampler with active cooling from either AC or battery power.

Is designed and manufactured in compliance with the following applicable Standards:

Standard	Description
EN 16479:2014	Water quality - Performance requirements and conformity test procedures for water monitoring equipment - Automated sampling devices (samplers) for water and waste water
ISO 5667-10:2020	Water quality – Sampling Part 10: Guidance on sampling of waste water

Authorized Signatory

Signature:



Name:

Samuel Ramey

Title:

Director of Engineering

Date:

4/18/2024



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