

Flow Metering Inserts System Safety and Certification Sheet

Overview

This document contains the required safety and regulatory information for the Flow Metering Inserts. The Flow Metering Inserts 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 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**

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**

HAZARD OF ELECTROCUTION! Contacting electric power lines with any part of the Flow Metering Insert and pole assembly will cause severe injury or death. Keep the pole away from any overhead wires.

The inserts are nearly 18 feet long with the maximum number of pole sections attached. This is enough to reach most power lines. Before installing or removing these inserts, look overhead for interference. Make sure the pole assembly cannot possibly come close to any overhead utilities as it is lowered into or removed from a manhole.

If there are overhead utility wires anywhere near the installation, either:

1. Do not attempt to use the insert, or
2. Lower the insert, attached to the right-angle tube assembly, into the manhole. Then, attach pole sections one at a time as needed while the insert is being lowered into the manhole.

Reverse the process when removing an insert from service: disconnect each pole section one at a time as the insert is being lifted out of the manhole.

 **WARNING**

Do not enter the manhole without observing proper safety precautions. Do not enter the manhole if you are working alone. Poisonous gases present in most sewers can KILL you quickly without warning.

 **CAUTION**

Before any equipment is installed, the proper safety precautions must be taken. The discussions of safety procedures in Appendix A are only general guidelines. Each situation in which you install a flow metering insert varies. You must take into account the individual characteristics of your installation. Additional safety considerations, other than those discussed in this manual, may be required.

Technical assistance for the Teledyne ISCO Flow Metering Inserts 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