



Certificate of Compliance

Certificate: 2043191

Master Contract: 162767

Project: 80032206

Date Issued: 2020-04-06

Issued To: KROHNE, Inc.
55 Cherry Hill Park
Beverly, Massachusetts, 01915
United States

Attention: Rick Loiselle

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Issued by: Sam Zaffino
Sam Zaffino



PRODUCTS

CLASS - C225205 - PROCESS CONTROL EQUIPMENT

CLASS - C225285 - PROCESS CONTROL EQUIPMENT Certified to US Standards

Models: OPTIFLUX/WATERFLUX IFC 100C and IFC 100W conduit connected, Enclosure Type 4X and 6, Rated Input 100-230Vac, 50-60Hz, 8VA, or 24Vdc, 4W; passive and active outputs all SELV, -40 to 65 Deg C Ambient, Installation Category II, Pollution Degree 4. Enclosure Types 4X/6/6P/IP68 for OPTIFLUX 1000, 2000, 4000, 5000, 6000 and WATERFLUX 3000 series Primary Heads.

For use with Primary Head Series OPTIFLUX 1000, 2000, 4000, 5000, 6000 & WATERFLUX 3000

Family Name

Model

OPTIFLUX

IFC 100 W (remote Aluminum/Stainless Steel converter box when connected by



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electrode and coil cables to remote sensor OPTIFLUX x000 F)

OPTIFLUX	OPTIFLUX 1000 F (remote sensor with connection box mounted on top)
OPTIFLUX	OPTIFLUX 2000 F (remote sensor with connection box mounted on top)
OPTIFLUX	OPTIFLUX 4000 F (remote sensor with connection box mounted on top)
OPTIFLUX	OPTIFLUX 5000 F (remote sensor with connection box mounted on top)
OPTIFLUX	OPTIFLUX 6000 F (remote sensor with connection box mounted on top)
OPTIFLUX	OPTIFLUX 1100 C (compact IFC 100 converter mounted directly to OPTIFLUX 1000F)
OPTIFLUX	OPTIFLUX 2100 C (compact IFC 100 converter mounted directly to OPTIFLUX 2000F)
OPTIFLUX	OPTIFLUX 4100 C (compact IFC 100 converter mounted directly to OPTIFLUX 4000F)
OPTIFLUX	OPTIFLUX 5100 C (compact IFC 100 converter mounted directly to OPTIFLUX 5000F)
OPTIFLUX	OPTIFLUX 6100 C (compact IFC 100 converter mounted directly to OPTIFLUX 6000F)
ENVIROMAG	IFC 100 W (remote Aluminum/Stainless Steel converter box when connected by
electrode and coil cables to remote sensor ENVIROMAG 2000 F CSA)	
ENVIROMAG	ENVIROMAG 2000F CSA (remote sensor with connection box mounted on top)
ENVIROMAG	ENVIROMAG 2100 C CSA (compact IFC 100C converter mounted to Enviromag
2000F)	
WATERFLUX	WATERFLUX 3000 (remote sensor with connection box mounted on top)
WATERFLUX	WATERFLUX 3100 C (compact IFC 100 converter mounted directly to WATERFLUX
3000)	
WATERFLUX	WATERFLUX 3100 W (wall mounted IFC 100 converter with remote WATERFLUX
3000)	

APPLICABLE REQUIREMENTS

- CAN/CSA-C22.2 No. 61010-1-04 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
- ISA S82.02.01 2nd (IEC 61010-1 Mod) - Safety Standards for Electrical and Electronic Test, Measuring, Controlling and Related Equipment - General Requirements.
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- UL 61010-1 2nd - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements



Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
80032206	2020-04-06	Update to 2043191 to add similar models
70136475	2017-06-07	Update to 2043191 to cover alternate enclosure material
2692356	2014-01-20	Update to report 2043191 to cover alternate construction
2605996	2013-03-27	Update report to cover evaluation of a new I/O board and to update drawings with the latest editions.
2462045	2011-10-05	Update report to cover drawing and diagram updates.
2381546	2011-01-17	Covers minor updates to components, drawings and diagrams.
2195406	2009-07-23	Update to report 2043191 to update attachments
2161714	2009-04-13	Update to cover pcb layout changes, typo errors and internal enclosure change
2131099	2009-02-04	Update to 2043191 to cover alternate enclosure construction and addition of series 4000 primary heads.
2043191	2008-08-27	Model Opitiflux IFC 100 evaluation to C22.2 No. 61010-1-04 and ISA-82.02.01(second ed.)