

Certificate of Compliance

Certificate: 2043191

Project: 80032206 Master Contract: 162767

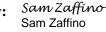
Date Issued: 2020-04-06

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:





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



Certificate: 80032206 **Project:** 80032206

Master Contract: 162767 Date Issued: 2020-04-06

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 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** OPTIFLUX 4100 C (compact IFC 100 converter mounted directly to OPTIFLUX 4000F) OPTIFLUX 5100 C (compact IFC 100 converter mounted directly to OPTIFLUX 5000F) **OPTIFLUX 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 2100 C CSA (compact IFC 100C converter mounted to Enviromag **ENVIROMAG** 2000F) WATERFLUX 3000 (remote sensor with connection box mounted on top) WATERFLUX WATERFLUX 3100 C (compact IFC 100 converter mounted directly to WATERFLUX WATERFLUX 3000) WATERFLUX WATERFLUX 3100 W (wall mounted IFC 100 converter with remote WATERFLUX 3000)

APPLICABLE REQUIREMENTS

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



Supplement to Certificate of Compliance

Certificate: 2043191

Master Contract: 162767

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.) |