



# Certificate of Compliance

**Certificate:** 1701796

**Master Contract:** 151079

**Project:** 70146497

**Date Issued:** 2017-09-12

**Issued to:** Endress + Hauser GmbH + Co. KG  
Hauptstrasse 1  
Maulburg, Baden-Württemberg 79690  
GERMANY  
Attention: David Isner

*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:** Anil Sodhi  
Anil Sodhi

## PRODUCTS

- CLASS 2258 04** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations
- CLASS 2258 84** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations—  
CERTIFIED TO U.S. STANDARDS
- CLASS 2252 06** - PROCESS CONTROL EQUIPMENT
- CLASS 2252 86** - PROCESS CONTROL EQUIPMENT—Certified to US Standards

**Class I, Groups A, B, C, D; Class II, Groups E, F, G; Class III: [Ex ia]**

Commubox, FXA195-Sx HART Communication Interface, USB input 5Vdc max., Max. Ambient 50°C; device is for use in non-hazardous locations and provides intrinsically safe connections per installation drawing number 960007251, entity parameters Voc = 6.5 Vdc, Isc = 6.1 mA, Ca = 21 uF, La = 790 mH; for connection to intrinsically safe loops not exceeding 30Vdc.



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**APPLICABLE REQUIREMENTS**

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| CAN/CSA-C22.2 No. 157-92 - R2012         | - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations  |
| CAN/CSA-C22.2 No. 61010-1-12             | - Safety Requirements for Electrical Equipment for Measurement Control and Laboratory Use, Part 1: General Requirements              |
| FM3600 - 2011                            | - Electrical Equipment for Use in Hazardous (Classified) Locations – General Requirements  |
| FM3610 - 2015                            | - Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous (Classified) Locations |
| UL/ANSI-61010-1, 3 <sup>rd</sup> Edition | - 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**

<b>Project</b>	<b>Date</b>	<b>Description</b>
70146497	2017-09-12	Update CSA report 1701796 for Commubox FXA195, to covert the CSA mark to cCSAus for Canada and US. In addition, the update includes the evaluation of Ordinary Location electrical safety assessment to third edition of IEC61010-1.
1701796	2005-08-16	Commubox, FXA 195-Sx HART Communication Interface, for hazardous locations.