



1 **EC TYPE EXAMINATION CERTIFICATE**

2 Equipment or protective system intended for use in potentially explosive atmospheres –  
Directive 94/9/EC – Annex III

3 EC Type Examination **TRAC15ATEX0027X**  
Certificate No.:

4 Equipment: **PIG TRAXALL Transmitter Family – X300 and X400 series**

5 Manufacturer: **Control Devices Inc.,**

6 Address: **1801 North Juniper Avenue, Broken Arrow, Oklahoma 74012, U.S.A.**

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 TRaC Global Ltd, Notified Body number 0891 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment or protective system intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential report **TRA-015335-33-00A**.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in section 18 of the schedule to this certificate, has been assured by compliance with:

**EN 60079-0:2012**

**EN 60079-1:2007**

10 If the sign “X” is placed after the certificate number then this indicates that the equipment or protective system is subject to special conditions of safe use specified in the schedule to this certificate.

11 This EC-Type Examination certificate relates only to the design and construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of this equipment or protective system shall include the following:

 **II 2 G Ex d IIB+H<sub>2</sub> T5 Gb**

**Tamb = -20° C ≤ Ta ≤ +80 °C (Electrochem batteries)**

**Tamb = -20° C ≤ Ta ≤ +50 °C (Procell batteries)**

This certificate and its schedules may only be reproduced in its entirety and without change. This certificate is issued in accordance with the TRaC Ex Certification Scheme.

*S.P. Winsor*

S P Winsor, Certification Manager

Issue date: 2015-08-14

Copy No.: 1e

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13 **SCHEDULE TO EC TYPE EXAMINATION CERTIFICATE**

14 **TRAC15ATEX0027X**

15 **General description of equipment or protective system included within the scope of this certificate**

The CDI Traxall X400 and X300 are battery powered electromagnetic pipeline pig tracking transmitters with variable frequency and power (Limited between 17Hz and 32Hz). They consist of a stainless steel tube containing the batteries and transmitter electronics with removable threaded end-caps forming a flameproof enclosure.

Model	Length (mm)	Diameter (mm)	Material	Max. Line Pressure (psi)/(bar)	Cell type
X300-2C	151.51	50.51	304L Stainless Steel	2500 / 172	Duracell Procell PC 1400 or ElectroChem 3B0030
X300-3C	199.93	50.51		2500 / 172	Duracell Procell PC 1400 or ElectroChem 3B0030
X300-4C	249.13	50.56		2500 / 172	Duracell Procell PC 1400 or ElectroChem 3B0030
X300-5C	298.33	50.51		2500 / 172	Duracell Procell PC 1400 or ElectroChem 3B0030
X400-2D	169.88	67.07		2500 / 172	Duracell Procell PC 1300 or ElectroChem 3B0035
X400-3D	229.41	67.07		2500 / 172	Duracell Procell PC 1300 or ElectroChem 3B0035
X400-4D	290.4	67.07		2500 / 172	Duracell Procell PC 1300 or ElectroChem 3B0035
X400-5D	350.23	66.55		2500 / 172	Duracell Procell PC 1300 or ElectroChem 3B0035

*A list of controlled Manufacturer's Documents is given in Appendix A to this schedule.*

16 **Test report No.:** TRA-015335-33-00A.

17 **“Special Conditions of Safe Use” for Ex Equipment, if any:**

1. Batteries to be used with equipment are to be Duracell Procell PC 1400/1300 or ElectroChem 3B0030/3B0035 only.
2. Batteries used shall be of the same type. Battery chemistries must not be mixed.
3. Do not open when an explosive gas atmosphere may be present.

18 **Essential health and safety requirements**

Covered by application of the standards listed in section 9 of this certificate and the assessment conducted in the test report listed in section 16 of this certificate.

19 **Additional information**

**“Routine tests”, if any:**

None.

**“Special conditions for manufacture”, if any:**

None.

CONTINUATION OF SCHEDULE TO CERTIFICATE TRAC15ATEX0027X

Other information, if any:

None.

Photographs



X300 series




X400 series

**CONTINUATION OF SCHEDULE TO CERTIFICATE TRAC15ATEX0027X**

**Details of markings**

**CDI X300-5C-Ex ATEX/IECEX**

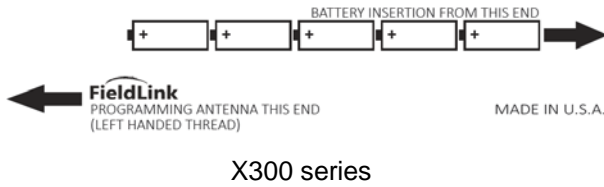

 II 2 G Ex d IIB+H2 T5 Gb TRAC15ATEX0027X MANUFACTURED: 2015  
 Ex d IIB+H2 T5 Gb IECEX TRC 15.0006X SERIAL NO: XXXX  
 -20°C ≤ Ta ≤ +80°C (ELECTROCHEM 3B0030)  
 -20°C ≤ Ta ≤ +50°C (PROCELL PC1400)

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ATEX/IECEX RATED ELECTROMAGNETIC PIPELINE PIG TRACKING TRANSMITTER WITH VARIABLE FREQUENCY AND POWER  
 RECOMMENDED FOR PIPELINES 14" AND LARGER  
 MAXIMUM PRESSURE 2,500 PSI [172 BAR]

**CDI**  
 1801 NORTH JUNIPER AVE, BROKEN ARROW, OKLAHOMA 74012 U.S.A.  
 WWW.PIGGING.COM • +1(918)258-6068 • SUPPORT@PIGGING.COM

- WARNING: DO NOT OPEN WHEN AN EXPLOSIVE GAS ATMOSPHERE MAY BE PRESENT
- WARNING: USE ONLY DURACELL PROCELL PC1400 ALKALINE OR ELECTROCHEM 3B0030 LITHIUM C-CELL BATTERIES
- WARNING: DO NOT MIX BATTERY CHEMISTRIES IN THIS DEVICE
- WARNING: USERS MUST FOLLOW DETAILED BATTERY INSERTION INSTRUCTIONS PROVIDED IN THE PRODUCT MANUAL
- WARNING: FACE AWAY FROM SELF WHEN OPENING



**CDI X400-5D-Ex ATEX/IECEX**

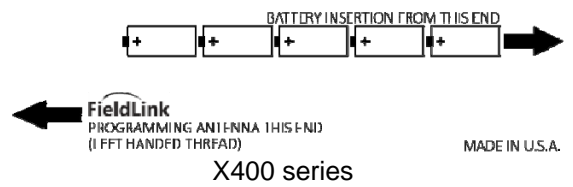

 II 2 G Ex d IIB+H2 T5 Gb TRAC15ATEX0027X MANUFACTURED: 2015  
 Ex d IIB+H2 T5 Gb IECEX TRC 15.0006X SERIAL NO: XXXX  
 -20°C ≤ Ta ≤ +80°C (ELECTROCHEM 3B0035)  
 -20°C ≤ Ta ≤ +50°C (PROCELL PC1300)

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ATEX/IECEX RATED ELECTROMAGNETIC PIPELINE PIG TRACKING TRANSMITTER WITH VARIABLE FREQUENCY AND POWER  
 RECOMMENDED FOR PIPELINES 16" AND LARGER  
 MAXIMUM PRESSURE 2,500 PSI [172 BAR]

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- WARNING: DO NOT OPEN WHEN AN EXPLOSIVE GAS ATMOSPHERE MAY BE PRESENT
- WARNING: USE ONLY DURACELL PROCELL PC1300 ALKALINE OR ELECTROCHEM 3B0035 LITHIUM D-CELL BATTERIES
- WARNING: DO NOT MIX BATTERY CHEMISTRIES IN THIS DEVICE
- WARNING: USERS MUST FOLLOW DETAILED BATTERY INSERTION INSTRUCTIONS PROVIDED IN THE PRODUCT MANUAL
- WARNING: FACE AWAY FROM SELF WHEN OPENING



**Details of variations to this certificate**

- None

**Notes to CE marking**

In respect of CE Marking, TRaC Global Ltd accepts no responsibility for the compliance of the equipment against all applicable Directives in all applications.

**Notes to this certificate**

TRaC certification reference: **TRA-015335-32-00**.

Throughout this certificate, the date format yyyy-mm-dd (year-month-day) is used.

CONTINUATION OF SCHEDULE TO CERTIFICATE TRAC15ATEX0027X

**APPENDIX A - LIST OF CONTROLLED MANUFACTURER'S DOCUMENTS**

Title:	Drawing No.:	Rev. Level:	Date:
89-17-0001-01 REV. E ATEX Compliance of the X300-2C Multi-Frequency TRAXALL Transmitter	89-17-0001-01 Pages 1 to 43	E	2015-08-04
89-17-0002-01 REV. E ATEX Compliance of the X300-3C Multi-Frequency TRAXALL Transmitter	89-17-0002-01 Pages 1 to 15	E	2015-08-04
89-17-0003-01 REV. E ATEX Compliance of the X300-4C Multi-Frequency TRAXALL Transmitter	89-17-0003-01 Pages 1 to 15	E	2015-08-04
89-17-0004-01 REV. E ATEX Compliance of the X300-5C Multi-Frequency TRAXALL Transmitter	89-17-0004-01 Pages 1 to 42	E	2015-08-04
89-17-0005-01 REV. F ATEX Compliance of the X400-2D Multi-Frequency TRAXALL Transmitter	89-17-0005-01 Pages 1 to 42	F	2015-08-04
89-17-0006-01 REV. E ATEX Compliance of the X400-3D Multi-Frequency TRAXALL Transmitter	89-17-0006-01 Pages 1 to 15	E	2015-08-04
89-17-0007-01 REV. E ATEX Compliance of the X400-4D Multi-Frequency TRAXALL Transmitter	89-17-0007-01 Pages 1 to 15	E	2015-08-04
89-17-0008-01 REV. F ATEX Compliance of the X400-5D Multi-Frequency TRAXALL Transmitter	89-17-0008-01 Pages 1 to 42	F	2015-08-04
89-17-0009-01 X300-2C HAZARDOUS AREA CERTIFICATION	89-17-0009-01 Page 1 of 1	E	2015-08-05
89-17-0010-01 X300-3C HAZARDOUS AREA CERTIFICATION	89-17-0010-01 Page 1 to 2	E	2015-08-05
89-17-0011-01 X300-4C HAZARDOUS AREA CERTIFICATION	89-17-0011-01 Page 1 of 2	E	2015-08-05
89-17-0012-01 X300-5C HAZARDOUS AREA CERTIFICATION	89-17-0012-01 Page 1 to 2	E	2015-08-05
89-17-0013-01 X400-2D HAZARDOUS AREA CERTIFICATION	89-17-0013-01 Page 1 of 1	E	2015-08-05
89-17-0014-01 X400-3D HAZARDOUS AREA CERTIFICATION	89-17-0014-01 Page 1 to 2	E	2015-08-05
89-17-0015-01 X400-4D HAZARDOUS AREA CERTIFICATION	89-17-0015-01 Page 1 to 2	E	2015-08-05
89-17-0016-01 X400-5D HAZARDOUS AREA CERTIFICATION	89-17-0016-01 Page 1 to 2	E	2015-08-05
89-17-0017-01 X300-2C ATEX BILL OF MATERIAL	89-17-0017-01	A	2015-05-22
89-17-0018-01 X300-3C ATEX BILL OF MATERIAL	89-17-0018-01	A	2015-05-22
89-17-0019-01 X300-4C ATEX BILL OF MATERIAL	89-17-0019-01	A	2015-05-22
89-17-0020-01 X300-5C ATEX BILL OF MATERIAL	89-17-0020-01	A	2015-05-22
89-17-0021-01 X400-2D ATEX BILL OF MATERIAL	89-17-0021-01	A	2015-05-22
89-17-0021-01 X400-3D ATEX BILL OF MATERIAL	89-17-0022-01	A	2015-05-22
89-17-0023-01 X400-4D ATEX BILL OF MATERIAL	89-17-0023-01	A	2015-05-22
89-17-0024-01 X400-5D ATEX BILL OF MATERIAL	89-17-0024-01	A	2015-05-22

CONTINUATION OF SCHEDULE TO CERTIFICATE TRAC15ATEX0027X

Title:	Drawing No.:	Rev. Level:	Date:
TRAXALL X300-SERIES TRANSMITTER USER GUIDE_ATEX-IECEX	89-09-0039-00 Pages 1 to 36	N/A	2015-08-03
TRAXALL X400-SERIES TRANSMITTER USER GUIDE_ATEX-IECEX	89-09-0040-00 Pages 1 to 36	N/A	2015-08-03

