CERTIFICATE OF CONFORMITY

1. **HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS**
2. **Certificate No:** **FM17CA0152X**
3. **Equipment:** **Load Cell**
   (Type Reference and Name)
4. **Name of Listing Company:** **Coti Global Sensors Mfg Inc**
5. **Address of Listing Company:** **5699 Hwy 53**
   Harvest AL 35749
   United States
6. The examination and test results are recorded in confidential report number:

   3026213 dated 15th January 2007

7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

   C22.2 No. 157-92:2012, C22.2 No. 60079-0:2011, C22.2 No. 60079-11:2014, C22.2 No. 61010-1:2012

8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.

Certificate issued by:

J.E. Marquedant
VP, Manager - Electrical Systems

24 July 2019
Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

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SCHEDULE

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10. Equipment Ratings:

I. IS (Entity) Version

Intrinsically Safe Apparatus for use in Class I, Division 1, Groups A, B, C and D, in accordance with manufacturer's Control Drawing; Equipment protection by Intrinsic Safety for use in Class I, Zone 0, Ex ia IIC, in accordance with manufacturer's Control Drawing, hazardous (classified) locations with an ambient temperature rating of -20 ºC to +60 ºC.

II. IS (System) Version

Intrinsically Safe Apparatus for use in Class I, Division 1, Groups C and D, in accordance with manufacturer's Control Drawing; Equipment protection by Intrinsic Safety for use in Class I, Zone 0, Ex ia IIB, in accordance with manufacturer's Control Drawing, hazardous (classified) locations with an ambient temperature rating of -20 ºC to +60 ºC.

III. IS (Entity) Version

Intrinsically Safe Apparatus for use in Class I, Division 1, Groups A, B, C and D, Class II, Division 1, Groups E, F and G, Class III, Division 1, in accordance with manufacturer's Control Drawing; Equipment protection by Intrinsic Safety for use in Class I, Zone 0, Ex ia IIC, in accordance with manufacturer's Control Drawing, hazardous (classified) locations with an ambient temperature rating of -20 ºC to +60 ºC.

IV. IS (System) Version

Intrinsically Safe Apparatus for use in Class I, Division 1, Groups C and D, Class II, Division 1, Groups E, F and G, Class III, Division 1, in accordance with manufacturer's Control Drawing; Equipment protection by Intrinsic Safety for use in Class I, Zone 0, Ex ia IIB, in accordance with manufacturer's Control Drawing, hazardous (classified) locations with an ambient temperature rating of -20 ºC to +60 ºC.

11. The marking of the equipment shall include:

Class I Division 1, Groups A, B, C, D; T4 Ta = -20 ºC to +60 ºC – 1500-B-01
Class II, Division 1, Groups E, F, G, Class III, Division 1; T4 Ta = -20 ºC to +60 ºC – 1500-B-01
Class I, Zone 0, Ex ia IIC T4 Ta = -20 ºC to +60 ºC – 1500-B-01

12. **Description of Equipment:**

General - The Load Cell is a transducer for the measurement of force or weight, based on a strain gauge bridge. This transducer converts a force into a differential electrical signal.

Construction - The strain gauge circuitry for the Load Cell is encapsulated into a steel or stainless steel enclosure depending upon model.

Ratings - The Load Cell operates at voltages up to 30 volts applied to the strain gauge's bridge circuitry. The ambient operating temperature range of the Load Cell is -20 ºC to 60 ºC.

I. Load Cell Summing Junctions IS Version

Model a-bc-d, Load Cell Summing Junctions.

a = Enclosure: FP or SS
b = Type: 10, 30, 34, 40, 45, 65 or 85
c = Trim: AE or AS

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d = Suppression: SP or None

II. Load Cell Summing Junctions IS Version

Model a-bc-d, Load Cell Summing Junctions.

a = Enclosure: FP or SS
b = Type: 10, 30, 34, 40, 45, 65 or 85
c = Trim: AE or AS
d = Suppression: SP or None

III. Load Cells IS Version

Canister Model a, Load Cells.

a = Type: CG-21, CG-26S, CG-26S1, CG-26S1-65114, CG-26S2, CG-26S3, CG-26S3-10, CG-26S4, CG-26S5, CG-26S6, CG-26S7, CG-31, CG-33, CG-62, CG-63, CG-92, CG-93, CG-94, CG-94M, CG-175, CG-408M, CG-412, CG-412M, CG-1210, CG-1210-1, CG-1211, CG-CC22, CG-CP22, CG-JRT, CG-SP9, CG-SP9M, CG-TC42 or CG-TC43

Double Ended Model a, Load Cells.

a = Type: CG-03M, CG-16, CG-16M, CG-16-SSW, CG-58, CG-58-1, CG-408M, CG-5103, CG-5103-SSW, CG-5223, CG-5223M, CG-5223-SSW, CG-80210, CG-BE40, CG-BE40M, CG-BE40-SSW, CG-BLC-2, CG-DB50000S, CG-Lodec, CG-ML600-LP, CG-ML1200, CG-SLS, CG-SLS-SS, CG-STR, CG-STR-1, CG-STR-1-SSW, CG-STR-SSW, CG-TSA or CG-WBM(NONE, -W, -X, -Z)

S Beams Model a, Load Cells.

a = Type: CG-ITCM, CGSS, CGSB, CGSB-1, CGSB-SS, CGSB-SSW, CSS10077, CSS10078 or CSS10079

Single Ended Beams Model a, Load Cells.

a = Type: CG-8HL, CG-23, CG-23-1, CG-23-LP, CG-23M, CG-23-SS, CG-23-SS-1, CG-23-SSW-XX, CG-59M, CG-82M, CG-30410, CG-60030, CG-60040, CG-743, CG-745, CG-BBS, CG-BLC-C, CG-BLC-T, CG-BLF, CG-F1, CG-HMT, CG-LC22, CG-MBB, CG-MK15, CG-RTM, CG-SB250, CG-SB2L, CG-SB2M, CG-SB3, CG-SB3-1, CG-SB4, CG-SBF, CG-SMB6, CG-SMB6-2, CG-SSB, CG-SSB-10, CG-TB2, CG-WBL-SS, CG-WB-SS, CG-WBM-W, CG-WBM-X, CG-WBM-Z, CG-Z6, CG-Z6M or CG-Z6-1

Single Points Model a, Load Cells.

a = Type: CG-22, CG-22-1, CG-22-2, CG-22-4, 3053177CG-40, CG-40-SS, CG-40-SS-1, CG-42, CG-42-1, CG-42-2, CG-50, CG-50-1, CG-50-SS, CG-50-SS-1, CG-50-2, CG-50-3, CG-51, CG-1010, CG-1130, CG-1130-1, CG-1240, CG-1240-SS, CG-1241, CG-1510, CG-60048, CG-60610, CG-65029, CG-FB, CG-FLS, CG-HPS, CG-MK21, CG-MK4, CG-MK5, CG-PB, CG-PB-1, CG-PWA, CG-PWA-1, CG-PWS, CG-SPL, CG-SPLM, CSS10115 or CSS10133

IV. Load Cells IS Version

Canister Model a, Load Cells.

a = Type: CG-21, CG-26S, CG-26S1, CG-26S1-65114, CG-26S2, CG-26S3, CG-26S3-10, CG-26S4, CG-26S5, CG-26S6, CG-26S7, CG-31, CG-33, CG-62, CG-63, CG-92, CG-93, CG-94, CG-94M, CG-175, CG-408M, CG-412, CG-412M, CG-1210, CG-1210-1, CG-1211, CG-CC22, CG-CP22, CG-JRT, CG-SP9, CG-SP9M, CG-TC42 or CG-TC43

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Double Ended Model a, Load Cells.

a = Type: CG-03M, CG-16, CG-16M, CG-16-SSW, CG-58, CG-58-1, CG-408M, CG-5103, CG-5103-SSW, CG-5223, CG-5223M, CG-5223-SSW, CG-80210, CG-BE40, CG-BE40M, CG-BE40-SSW, CG-BLC-2, CG-DB50000S, CG-Lodec, CG-ML600-LP, CG-ML1200, CG-SLS, CG-SLS-SS, CG-STR, CG-STR-1, CG-STR-1-SSW, CG-STR-SSW, CG-TSA or CG-WBM(NONE, -W, -X, -Z)

S Beams Model a, Load Cells.

a = Type: CG-ITCM, CGSS, CGSB, CGSB-1, CGSB-SS, CGSB-SSW, CSS10077, CSS10078 or CSS10079

Single Ended Beams Model a, Load Cells.

a = Type: CG-8HL, CG-23, CG-23-1, CG-23-LP, CG-23M, CG-23-SS, CG-23-SS-1, CG-23-SSW-XX, CG-59M, CG-82M, CG-30410, CG-60030, CG-60040, CG-743, CG-745, CG-BBS, CG-BLC-C, CG-BLC-T, CG-BLF, CG-F1, CG-HMT, CG-LC22, CG-MBB, CG-MK15, CG-RTM, CG-SB250, CG-SB2L, CG-SB2M, CG-SB3, CG-SB3-1, CG-SB4, CG-SBF, CG-SMB6, CG-SMB6-2, CG-SSB, CG-SSB-10, CG-TB2, CG-WBL-SS, CG-WB-SS, CG-WBM-W, CG-WBM-X, CG-WBM-Z, CG-Z6, CG-Z6M or CG-Z6-1

Single Points Model a, Load Cells.

a = Type: CG-22, CG-22-1, CG-22-2, CG-22-4, 3053177CG-40, CG-40-SS, CG-40-SS-1, CG-42, CG-42-1, CG-42-2, CG-50, CG-50-1, CG-50-SS, CG-50-SS-1, CG-50-2, CG-50-3, CG-51, CG-1010, CG-1130, CG-1130-1, CG-1240, CG-1240-SS, CG-1241, CG-1510, CG-60048, CG-60610, CG-65029, CG-FB, CG-FLS, CG-HPS, CG-MK21, CG-MK4, CG-MK5, CG-PB, CG-PB-1, CG-PWA, CG-PWA-1, CG-PWS, CG-SPL, CG-SPLM, CSS10115 or CSS10133

13. **Specific Conditions of Use:**

1. Maximum cable length 'L' is 100 feet.
2. The load cell must be bonded to intrinsically safe ground.
3. Potential Electrostatic Charging Hazard – The enclosure is constructed from plastic. To prevent the risk of electrostatic sparking the plastic surface should only be cleaned with a damp cloth.

14. **Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals Canadian Certification Scheme.

15. **Schedule Drawings**

A copy of the technical documentation has been kept by FM Approvals.

16. **Certificate History**

Details of the supplements to this certificate are described below:

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SCHEDULE

Canadian Certificate Of Conformity No: FM17CA0152X

Date	Description
15th January 2007	Original Issue.
25th June 2008	Supplement 1: Report Reference: – 3029958 dated 25th June 2008 Description of the Change: Model extension
3rd July 2008	Supplement 2: Report Reference: – 071010 dated 3rd July 2008 Description of the Change: Model extension
22nd August 2008	Supplement 3: Report Reference: – 071013 dated 22nd August 2008 Description of the Change: Model extension
29th May 2009	Supplement 4: Report Reference: – 090204 dated 29th May 2009 Description of the Change: Model extension
12th November 2009	Supplement 5: Report Reference: – 090825 dated 12th November 2009 Description of the Change: Model extension
3rd March 2011	Supplement 6: Report Reference: – 3040476 dated 3rd March 2011 Description of the Change: Model extension
24th August 2011	Supplement 7: Report Reference: – 110405 dated 24th August 2011 Description of the Change: Model extension
11th July 2012	Supplement 8: Report Reference: – 120413 dated 11th July 2012 Description of the Change: Model extension
30th November 2012	Supplement 9 Report Reference: –121109 dated 30th November 2012 Description of the Change: Model extension
27th June 2014	Supplement 10: Report Reference: – 3048686 dated 27th June 2014 Description of the Change: Model extension
28th September 2017	Supplement 11: Report Reference: – RR210824 dated 28th September 2017 Description of the Change: Model extension
24th August 2018	Supplement 12: Report Reference: – RR215276 dated 24th August 2018 Description of the Change: Model extension
24th July 2019	Supplement 13: Report Reference: – RR219410 dated 24th July 2019 Description of the Change: Model extension

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