



# Certificate of Compliance

**Certificate:** 1609996 (LR 110460)

**Master Contract:** 187799

**Project:** 2492115

**Date Issued:** January 14, 2013

**Issued to:** Martel Electronics Corp.

3 Corporate Park Dr  
Derry, NH 03038  
USA

Attention: Lisa Nikitas

*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.*



*Rawn Murphy*

**Issued by:** Rawn Murphy

## **PRODUCTS**

**CLASS 2258 02** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations -  
Certified to US Standards

**CLASS 2258 02** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

**Class I, Division 2, Groups A, B, C, D, T6**

- Martel model BetaGauge-PI-a-b, Digital Pressure Test Gauge, battery powered (3 size AA alkaline cells.)  
Ambient temperature -10°C to +55°C, 10,000 psi. max.

where a = 3 character code, 015, 030, 100, 300, 500, 01K, 02K, 03K, 05K or 10K

b = optional code either blank or B.

- Ametek model IPIaGbXcINDG, Digital Pressure Test Gauge, battery powered (3 size AA alkaline cells.)  
Ambient temperature -10°C to +55°C, 10,000 psi. max.

where a = 3 character code, 015, 030, 100, 300, 500, 01K, 02K, 03K, 05K or 10K

b = B or X

c = B or X



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- Condec model DPDG8a, Digital Pressure Test Gauge, battery powered (3 size AA alkaline cells.) Ambient temperature  $-10^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$ , 10,000 psi. max.

where a = 5227, 5556, 5586, 5591, 5594, 7774, 9276, 9278 or 9279

- 3D Technologies model 75514-aBb5, Digital Pressure Test Gauge, battery powered (3 alkaline size AA cells.) Ambient temperature  $-10^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$ , 10,000 psi. max.

where a = 15, 21, 23, 26, 27, 29, 32, 33, 35, 38

b = 5 or 6

- WIKA Digital Pressure Test Gauge, model CPG1000-abb-ccZZ, may be followed by additional alphanumeric digits. Battery powered (3 size AA alkaline cells.) Ambient temperature  $-10^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$ , 70 MPa (700bar) max.

where:

a = B or S, indicating units.

bb = AI, BD, EC, CE, CI, EF, EL, EI, ER, ES, EU, HD, or OE, indicating pressure range.

cc = AI or AJ, indicating process connection.

- Fluke model 700Gaa, Digital Pressure Test Gauge, battery powered (3 size AA alkaline cells.) Ambient temperature  $-10^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$ , 10,000 psi. max.

where:

aa = 04, 05, 06, 07, 08, 27, 29, 30, 31

Notes:

Certification covers battery powered models only.



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**APPLICABLE REQUIREMENTS**

CSA Standard C22.2 No. 0-10 Tenth Edition	General Requirements - Canadian Electrical Code, Part II
CAN/CSA-C22.2 No. 61010-1 Second Edition	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements
ANSI/UL 61010-1-2004 ( <i>Second Edition</i> )	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements
CSA Standard C22.2 No. 213-M1987 First Edition	Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
ANSI/ISA-12.12.01-2011	Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations

**MARKINGS**

Product markings shall be in accordance with the related standards. In addition, it shall be the responsibility of the manufacturer to provide additional markings on the product to comply with the requirements of the local regulatory authorities. Example, for products intended for use in Canada, any caution and warning markings must be provided in French and English per CSA C22.2 No. 0-10, clause 6.3.1.

The following markings are provided on a CSA Certified (Class 7923 01) and UL Recognized (PGJ12) adhesive nameplate, suitable for indoor/outdoor use on stainless steel surfaces, at temperatures of 60°C or higher, and affixed to the side or rear of the housing. Nameplate material is manufactured by Zebra Technologies, designated Z-Ultimate 3000T or Z-Ultimate 3000, and printed using the printer and ink/ribbon combination specified in the manufacturers CSA Listing.

- Manufacturers name, “Martel”, or CSA Master Contract Number, “187799”, adjacent to the CSA Mark in lieu of manufacturers name.
- Model designation, as specified in the PRODUCTS section of this report.
- Battery type, size and voltage: “Alkaline, AA, 1.5V nominal”, or equivalent wording.
- Date code, in MMY format, or serial number, traceable to month and year of manufacture.
- Maximum working pressure rating: 15, 30, 100, 300, 500, 1000, 2,000, 3000, 5000 or 10,000 psi (may be specified in Pascal or Bar).
- CSA Mark with C and US indicators as shown on the Certificate of Compliance.
- Hazardous location designation: “Class I, Division 2, Groups A, B, C, D”, or “CL. I, DIV 2, GP A, B, C, D”
- The following words:
  - WARNING – EXPLOSION HAZARD – BATTERIES MUST ONLY BE CHANGED IN AN AREA KNOWN TO BE NON-HAZARDOUS.
  - WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR DIVISION 2 (Note: This marking may be provided in an installation/operation manual and supplied with each unit.)



## *Supplement to Certificate of Compliance*

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**Master Contract:** 187799

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

### **Product Certification History**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
2492115	Jan 14, 2013	Update to report 1609996 to include an alternate enclosure construction of the BetaGauge and revised descriptive documents.
2459720	Oct 7, 2011	Update to report 1609996 to add model number 700Gaa to the Product listing.
2097081	Dec 15, 2008	Update report 1609996 to add WIKA model designations.
1609996	Jul 27, 2005	Original Certification of BetaGauge-PI as suitable for Class I, Division 2.