



CSA INTERNATIONAL

# Certificate of Compliance

**Certificate:** 1326096 (LR 111345-1)

**Master Contract:** 188330

**Project:** 2068653

**Date Issued:** 2008/08/20

**Issued to:** Pem-Tech, Inc.  
12144 Dairy Ashford, Bldg 2  
Sugar Land, TX 77478  
USA  
Attention: Jeffrey Schubert

*The products listed below are eligible to bear the CSA Mark shown*



**Issued by:** Andrea Holbeche, P. Eng

**Authorized by:** Patricia Pasemko, Operations  
Manager

## PRODUCTS

**CLASS 4828 02** - SIGNAL APPLIANCES - Toxic Gas Detection Instruments - For  
Hazardous Locations

Class I, Groups B, C and D;

-H<sub>2</sub>S gas stand alone transmitter, Model No PT205 with integral sensor P/N S-117, input rated 12 to 30V dc, 225mA@12Vdc with 4-20mA signal output.

-H<sub>2</sub>S gas stand alone transmitter, Model No PT295 with integral sensor P/N S-117, input rated 12 to 30V dc, 225mA@12Vdc, with relay rated 2 amps @ 30V dc with 4-20mA signal output.

-H<sub>2</sub>S gas stand alone transmitter, Model No PT395 with integral sensor P/N S-117, input rated 12 to 30V dc,



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225mA@12Vdc, relays rated 1 amps @ 30V dc with 4-20mA signal output.

-H2S gas stand alone transmitter, Model No PT295 HEC with integral sensor P/N S-384, input rated 16 to 30V dc, 50mA@24Vdc nominal, with one relay rated 2 amps @ 30V dc, and with 4-20mA signal output.

-H2S gas stand alone transmitter, Model No PT395 HEC with integral sensor P/N S-384, input rated 16 to 30V dc, 65mA@24Vdc nominal, three relays rated 1 amps @ 30V dc, and with 4-20mA signal output

-CO gas stand alone transmitter, Model No PT295 CO with integral sensor P/N S-138, input rated 16 to 30V dc, 50mA@24Vdc nominal, with one relay rated 2 amps @ 30V dc, and with 4-20mA signal output.

-CO gas stand alone transmitter, Model No PT395 CO with integral sensor P/N S-138, input rated 16 to 30V dc, 65mA@24Vdc nominal, three relays rated 1 amps @ 30V dc, and with 4-20mA signal output

-SO2 gas stand alone transmitter, Model No PT295 SO2 with integral sensor P/N S-130, input rated 16 to 30V dc, 50mA@24Vdc nominal, with one relay rated 2 amps @ 30V dc, and with 4-20mA signal output.

-SO2 gas stand alone transmitter, Model No PT395 SO2 with integral sensor P/N S-130, input rated 16 to 30V dc, 65mA@24Vdc nominal, three relays rated 1 amps @ 30V dc, and with 4-20mA signal output

-O2 deficiency gas stand alone transmitter, Model No PT295 O2 with integral sensor P/N S-141, input rated 16 to 30V dc, 50mA@24Vdc nominal, with one relay rated 2 amps @ 30V dc, and with 4-20mA signal output.

- O2 deficiency gas stand alone transmitter, Model No PT395 O2 with integral sensor P/N S-141, input rated 16 to 30V dc, 65mA@24Vdc nominal, three relays rated 1 amps @ 30V dc, and with 4-20mA signal output

-H2 gas stand alone transmitter, Model No PT295 HY with integral sensor P/N S-146, input rated 16 to 30V dc, 50mA@24Vdc nominal, with one relay rated 2 amps @ 30V dc, and with 4-20mA signal output.

-H2 gas stand alone transmitter, Model No PT395 HY with integral sensor P/N S-146, input rated 16 to 30V dc, 65mA@24Vdc nominal, three relays rated 1 amps @ 30V dc, and with 4-20mA signal output

-NH3 gas stand alone transmitter, Model No PT295 NH3 with integral sensor P/N S-130, input rated 16 to 30V dc, 50mA@24Vdc nominal, with one relay rated 2 amps @ 30V dc, and with 4-20mA signal output.



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-NH<sub>3</sub> gas stand alone transmitter, Model No PT395 NH<sub>3</sub> with integral sensor P/N S-130, input rated 16 to 30V dc, 65mA@24Vdc nominal, three relays rated 1 amps @ 30V dc, and with 4-20mA signal output

-NO gas stand alone transmitter, Model No PT295 NO with integral sensor P/N S-152, input rated 16 to 30V dc, 50mA@24Vdc nominal, with one relay rated 2 amps @ 30V dc, and with 4-20mA signal output.

-NO gas stand alone transmitter, Model No PT395 NO with integral sensor P/N S-152, input rated 16 to 30V dc, 65mA@24Vdc nominal, three relays rated 1 amps @ 30V dc, and with 4-20mA signal output

-NO<sub>2</sub> gas stand alone transmitter, Model No PT295 NO<sub>2</sub> with integral sensor P/N S-440, input rated 16 to 30V dc, 50mA@24Vdc nominal, with one relay rated 2 amps @ 30V dc, and with 4-20mA signal output.

-NO<sub>2</sub> gas stand alone transmitter, Model No PT395 NO<sub>2</sub> with integral sensor P/N S-440, input rated 16 to 30V dc, 65mA@24Vdc nominal, three relays rated 1 amps @ 30V dc, and with 4-20mA signal output

-HCL gas stand alone transmitter, Model No PT295 HCL with integral sensor P/N S-162, input rated 16 to 30V dc, 50mA@24Vdc nominal, with one relay rated 2 amps @ 30V dc, and with 4-20mA signal output.

-HCL gas stand alone transmitter, Model No PT395 HCL with integral sensor P/N S-162, input rated 16 to 30V dc, 65mA@24Vdc nominal, three relays rated 1 amps @ 30V dc, and with 4-20mA signal output

-CL<sub>2</sub> gas stand alone transmitter, Model No PT295 CL<sub>2</sub> with integral sensor P/N S-359, input rated 16 to 30V dc, 50mA@24Vdc nominal, with one relay rated 2 amps @ 30V dc, and with 4-20mA signal output.

-CL<sub>2</sub> gas stand alone transmitter, Model No PT395 CL<sub>2</sub> with integral sensor P/N S-359, input rated 16 to 30V dc, 65mA@24Vdc nominal, three relays rated 1 amps @ 30V dc, and with 4-20mA signal output

#### **APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 0-M91 - General Requirements – Canadian Electrical Code, Part II

CSA Std C22.2 No. 30-M1986 - Explosion-Proof Enclosures for Use in Class I Hazardous Locations

CSA Std C22.2 No. 142-M1987 - Process Control Equipment