



DET NORSKE VERITAS

EC-TYPE EXAMINATION CERTIFICATE

[2] **EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 94/9/EC**

[3] EC-Type Examination Certificate Number: **DNV-2003-OSL-ATEX-0259** Rev. 1

[4] Equipment or Protective System: **Pressure Transmitters DT1450 and xT2450**

[5] Applicant – Manufacturer or Authorized representative: **Stellar Technology, Inc.**

[6] Address: **237 Commerce Drive
Amherst, New York, 14228 USA**

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

[8] DNV, notified body number 0575 in accordance with Article 9 of Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential reports listed in section 14.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0: 2009 and EN 60079-11:2007


[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for 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 or protected system. If applicable, further requirements of this Directive apply to the manufacturer and supply of this equipment or protective system.

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

 **II 1 G Ex ia IIC T4 Ga (T_{amb} -40°C to +85°C)**

Høvik, 2013-08-26
for Det Norske Veritas AS


Bjørn Spongsveen
Certification Manager



Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.

The digitally signed and electronically distributed document is the original and valid certificate. Ref.: www.dnv.com/digitalsignatures

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 300.000. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



[13]

Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE No.:** DNV-2003-OSL-ATEX-0259

Rev. 1

Certificate History

Revision	Description	Report no.	Issue date
-	Original Certificate	2004-3244 Rev 1	2004-06-03
1	Update to EN 60079 Series Standards	2004-3244 Rev 2	2013-08-26

[15] Description of Equipment or Protective System

The Stellar Technology Series DT1450 and xT2450 are industrial 4-20 mA output pressure transmitters rated for hazardous location service. The apparatus is available in absolute, sealed gage, true gage, and differential zero pressure reference. The apparatus is entirely manufactured from high-grade stainless steel with a submersible plug & socket for electrical interconnection.

Type Identification

DT1450
DT2450
GT2450

Electrical Data

$U_i = 28\text{Vdc}$
 $I_i = 93\text{mA dc}$
 $C_i = 11\text{nF}$
 $L_i = 0\text{mH}$

[16] **Project No.:** PRJC-305413-2011-PRC-USA

Descriptive Documents

Number	Title	Rev.	Date
218118	Bill of Materials GT2450	A	-
218567	Schematic Circuit	B	2002-05-15
218739	Hole Size Callout	A	2002-03-21
218742	Board Artwork, Top	A	2002-03-21
218743	Board Artwork, Bottom	A	2002-03-21
218744	Board Artwork, Top Stik Screen	A	2002-03-21
218745	Board Artwork, Bottom Silk Screen	A	2002-03-21
218804	Nameplate DT1450-135	G	2013-07-25
218811	Assembly, DT1450-135	B	2013-07-23
218985	Assembly, GT2450, Differential	B	2013-07-23
218986	Assembly, GT2450, Weco	B	2013-07-23
218987	Assembly, GT2450, Standard	B	2013-07-23
218988	Nameplate GT2450	D	2013-07-25
220218	Diagram, Installation, xT2450/DT1450-135	C	2013-07-25
N / A	Bill of Materials DT1450-X-135	A	2002-05-08

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[17] Special Conditions for Safe Use

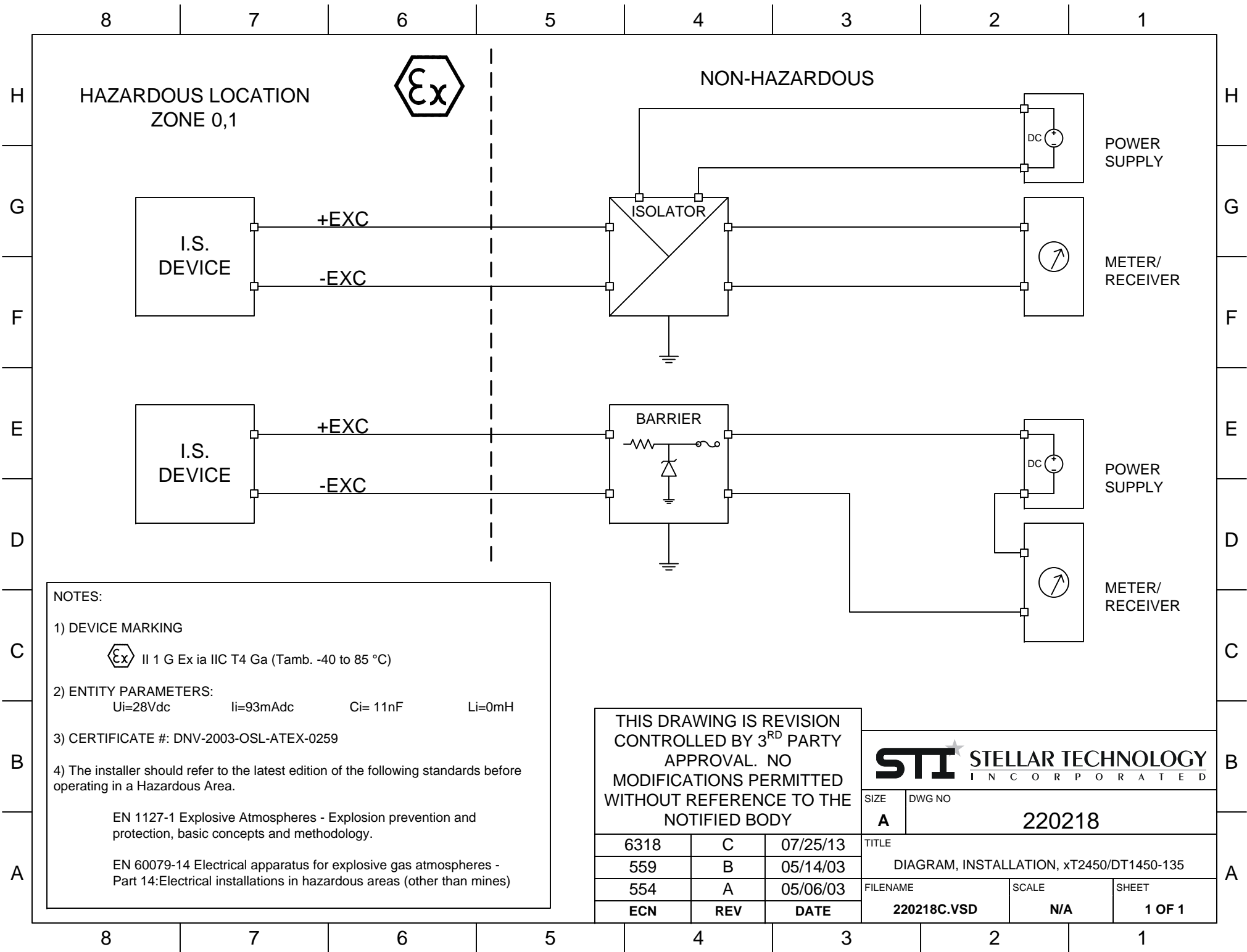
None

[18] Essential Health and Safety Requirements

See part 9 of this certificate

END OF CERTIFICATE

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NOTES:

1) DEVICE MARKING

II 1 G Ex ia IIC T4 Ga (Tamb. -40 to 85 °C)

2) ENTITY PARAMETERS:

Ui=28Vdc li=93mAdc Ci= 11nF Li=0mH

3) CERTIFICATE #: DNV-2003-OSL-ATEX-0259

4) The installer should refer to the latest edition of the following standards before operating in a Hazardous Area.

EN 1127-1 Explosive Atmospheres - Explosion prevention and protection, basic concepts and methodology.

EN 60079-14 Electrical apparatus for explosive gas atmospheres - Part 14:Electrical installations in hazardous areas (other than mines)

THIS DRAWING IS REVISION CONTROLLED BY 3RD PARTY APPROVAL. NO MODIFICATIONS PERMITTED WITHOUT REFERENCE TO THE NOTIFIED BODY



SIZE	DWG NO		TITLE	
A	220218		DIAGRAM, INSTALLATION, xT2450/DT1450-135	
6318	C	07/25/13	FILENAME	SCALE
559	B	05/14/03	220218C.VSD	N/A
554	A	05/06/03	SHEET	1 OF 1
ECN	REV	DATE		