

## Statement of Compliance

Manufacturer's Name:                     **Dynisco Instruments**

Product Name/Type:                     **Guardian PL'c'**

Model Number(s):                     **See Below**

The following models may be supplied with Guardian PL'c', including a % threshold representing the safety tripping point of full scale pressure range. The % threshold is selected at the time an order is placed. The products for which Guardian PL'c' can be ordered include:

SPX 2XXX, SPX 3XXX (SPX-T) , SPX 4XXX, SPX 5XXX (SPX-L)

DYNA4, DYN-X, DYN-X TC

MDA410, MDA412, MDA420, MDA422, MDA435, MDA460, MDA460-M10, MDA462, MDA467

PT410, PT412, PT418, PT419, PT420A, PT422A, PT435A, PT450FA, PT450TA, PT460E,

PT462E, PT462E-M10, PT462XL, PT465XL, PT467E, PT467E-M10, PT467XL

TDA412, TDA432, TDA463, TPT412, TPT419, TPT432A, TPT460XL, TPT462E, TPT463E,

TPT463XL

The above products were analyzed by Exida of 64 North Main Street, Sellersville, PA 18960 and were found to comply with the requirements of EN ISO 13849-1 for Performance Level 'c' when installed per Category 1. There were also found to comply with the requirements of EN ISO 13849-1 for Performance Level 'd' when installed in a configuration per Category 3.

Support documents may or may not accompany this certificate.



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### EC Declaration of Conformity

Models, with the Guardian option (GCx):

DYNA4, DYN-X, DYN-X TC, MDA410, MDA412, MDA420, MDA422, MDA435, MDA460, MDA460-M10, MDA462, MDA467, PT410, PT412, PT418, PT419, PT420A, PT422A, PT435A, PT450FA, PT450TA, PT460E, PT462E, PT462E-M10, PT462XL, PT465XL, PT467E, PT467E-M10, PT467XL, TDA412, TDA432, TDA463, TPT412, TPT419, TPT432A, TPT460XL, TPT462E, TPT463E, TPT463XL

are safety-related parts of control systems which have a  $MTTF_a = 821$  years and are rated:

Performance Level 'c', in a Category 1 installation, or  
Performance Level 'd' in a Category 3 installation

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### EC Declaration of Conformity

The following mV/V pressure sensor models, with the Guardian option (GCx):

DYNA4, DYN-X, DYN-X TC, MDA410, MDA412, MDA420, MDA422, MDA435, MDA460, MDA460-M10, MDA462, MDA467, PT410, PT412, PT418, PT419, PT420A, PT422A, PT435A, PT450FA, PT450TA, PT460E, PT462E, PT462E-M10, PT462XL, PT465XL, PT467E, PT467E-M10, PT467XL, TDA412, TDA432, TDA463, TPT412, TPT419, TPT432A, TPT460XL, TPT462E, TPT463E, TPT463XL

are safety-related parts of control systems which have a  $MTTF_d = 821$  years and are rated:

Performance Level 'c', in a Category 1 installation, or  
Performance Level 'd' in a Category 3 installation

and have been evaluated and tested too the following requirements and found to comply with them.

Machinery Directive 2006/42/EC

EN ISO 13849-1: 2008

Safety of machinery – Safety-related parts of control systems Part 1: General principles for design

EN ISO 12100:2010

EMC Directive 2004/108/EC

IEC 61326-2-3:2006

Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-3: Particular requirements – Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning

IEC 61000-4-2: 2001, IEC 61000-4-3: 2002, IEC 61000-4-4: 2004, IEC 61000-4-5: 2001, IEC 61000-4-6: 2006

The authorized responsible person to compile the technical file established in Europe:

Laidler Associates Consulting Services Ltd  
Belasis Business Centre  
Coxwold Way  
Billingham, TS23 4EA, England

I declare the above products meet the essential requirements that are specified above.

Patrick Kosuth  
Vice President, of Dynisco Engineering

12/19/2011

Date





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## EC Konformitätserklärung

Die folgenden mV/V Drucksensormodelle, mit dem Guardian Option (GCx):

DYNA4, DYN-X, DYN-X TC, MDA410, MDA412, MDA420, MDA422, MDA435, MDA460, MDA460-M10, MDA462, MDA467, PT410, PT412, PT418, PT419, PT420A, PT422A, PT435A, PT450FA, PT450TA, PT460E, PT462E, PT462E-M10, PT462XL, PT465XL, PT467E, PT467E-M10, PT467XL, TDA412, TDA432, TDA463, TPT412, TPT419, TPT432A, TPT460XL, TPT462E, TPT463E, TPT463XL

sind sicherheitsrelevante Teile von Kontrollsystemen, mit einer MTTFa = 821 Jahre und eingestuft werden als Performance-Level 'c', in einer Installation der Kategorie 1, oder Performance-Level 'd', in einer Installation der Kategorie 3

Eine Auswertung der Testresultate ergab, dass die folgenden Anforderungen erfüllt sind:

Maschinenrichtlinie 2006/42/EC

EN ISO 13849-1: 2008

EN ISO 12100:2010

EMV Richtlinie 2004/108/EC

IEC 61326-2-3:2006

IEC 61000-4-2: 2001, IEC 61000-4-3: 2002, IEC 61000-4-4: 2004, IEC 61000-4-5: 2001, IEC 61000-4-6: 2006

Sicherheit von Maschinen – sicherheitsrelevante Teile von Kontrollsystemen Teil 1: Allgemeine Gestaltungsleitsätze

Elektrische Mess-, Steuer-, und Laborgeräte – EMV Anforderungen – Teil 2-3: Besondere Anforderungen – Prüfanordnung, Betriebsbedingungen und Leistungsmerkmale für Messgrößenumformer mit integrierter oder abgesetzter Signalaufbereitung

Die handlungsbefugte und verantwortliche Person für die in Europa entstandene Zusammenstellung technischer Unterlagen:

Laidler Associates Consulting Services Ltd  
Belasis Business Centre  
Coxwold Way  
Billingham, TS23 4EA, England

Ich versichere, dass die oben aufgeführten Produkte die oben genannten grundlegenden Anforderungen erfüllen.

Patrick Kosuth  
Stellvertretender Vorsitzender von Dynisco Engineering

12/19/2011

Datum



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## Dichiarazione CE di conformità

I seguenti modelli di sensori di pressione mV/V, con l'opzione Guardian (GCx):

DYNA4, DYN-X, DYN-X TC, MDA410, MDA412, MDA420, MDA422, MDA435, MDA460, MDA460-M10, MDA462, MDA467, PT410, PT412, PT418, PT419, PT420A, PT422A, PT435A, PT450FA, PT450TA, PT460E, PT462E, PT462E-M10, PT462XL, PT465XL, PT467E, PT467E-M10, PT467XL, TDA412, TDA432, TDA463, TPT412, TPT419, TPT432A, TPT460XL, TPT462E, TPT463E, TPT463XL

Sono parti del sistema di controllo legate alla sicurezza che hanno un  $MTTF_d = 821$  anni e sono valutati:

Performance Level 'c', per installazioni in Categoria 1, oppure

Performance Level 'd', per installazioni in Categoria 3

e dopo valutazioni e prove risultano essere conformi ai requisiti di seguito riportati.

Direttiva Europea sui macchinari 2006/42/EC

EN ISO 13849-1: 2008

Sicurezza dei macchinari – Parti con funzioni di sicurezza di sistemi di controllo Parte 1: Principi generali di progettazione

EN ISO 12100:2010

Direttiva EMC 2004/108/EC

IEC 61326-2-3:2006

Impianto elettrico per la misurazione, il controllo e l'utilizzo in laboratorio – Requisiti di Compatibilità Elettromagnetica – Parti 2-3: Requisiti Particolari – Test di configurazione, condizioni, condizioni operative e criteri di performance per trasduttori con condizionamento del segnale remoto o integrato

IEC 61000-4-2: 2001, IEC 61000-4-3: 2002, IEC 61000-4-4: 2004, IEC 61000-4-5: 2001, IEC 61000-4-6: 2006

Il responsabile europeo preposto alla compilazione della scheda tecnica:

Laidler Associates Consulting Services Ltd

Belasis Business Centre

Coxwold Way

Billingham, TS23 4EA, England

Dichiaro la conformità dei prodotti sopra elencati ai requisiti precedentemente riportati.

12/19/2011

Patrick Kosuth

Data

Vice Presidente, Dynisco Engineering

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## EC Declaration of Conformity

SPX Models:

2XXX, 3XXX (SPX-T), 4XXX, and 5XXX (SPX-L)

are safety-related parts of control systems which are rated:

Performance Level 'c', in a Category 1 installation, or

Performance Level 'd' in a Category 3 installation

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### EC Declaration of Conformity

The following SPX pressure transmitter models:

2XXX, 3XXX (SPX-T), 4XXX, and 5XXX (SPX-L)

are safety-related parts of control systems which are rated:

- Performance Level 'c' (PL'c') in a Category 1 installation, or
- Performance Level 'd' (PL'd') in a Category 3 installation

have been evaluated and tested too the following requirements and found to comply with them.

Machinery Directive 2006/42/EC

EN ISO 13849-1: 2008

Safety of machinery — Safety-related parts of control systems Part 1: General principles for design

EN ISO 12100:2010

EMC Directive 2004/108/EC

IEC 61326-2-3:2006

Electrical equipment for measurement, control and laboratory use — EMC requirements — Part 2-3: Particular requirements — Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning

CISPR 11: 2003, IEC 61000-4-2: 2001, IEC 61000-4-3: 2002, IEC 61000-4-4: 2004, IEC 61000-4-5: 2001, IEC 61000-4-6: 2006, IEC 61000-4-8: 1994

PED Directive 97/23/EC

Conformity Assessment Module 'A' applies to SPX models X228 AND X538 with a maximum presure of 200 bar (3000 psi) or greater.

The authorized responsible person to compile the technical file established in Europe:

Laidler Associates Consulting Services Ltd  
Belasis Business Centre  
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I declare the above products meet the essential requirements that are specified above.

Patrick Kosuth  
Vice President, of Dynisco Engineering

9/21/2011

Date





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## EC Declaration of Conformity

Die folgenden SPX-Typen des Druckmessumformers:

2XXX, 3XXX (SPX-T), 4XXX, und 5XXX (SPX-L)

sind sicherheitsrelevante Teile von Kontrollsystemen, die eingestuft werden als

Leistungsniveau 'c' (PL'c') in einer Installation der Kategorie 3, oder

Leistungsniveau 'd' (PL'd') in einer Installation der Kategorie 3

Eine Auswertung der Testresultate ergab, dass die folgenden Anforderungen erfüllt sind:

Maschinenrichtlinie 2006/42/EC

EN ISO 13849-1: 2008

Sicherheit von Maschinen — sicherheitsrelevante Teile von  
Kontrollsystemen Teil 1: Allgemeine Gestaltungsleitsätze

EN ISO 12100:2010

EMV Richtlinie 2004/108/EC

IEC 61326-2-3:2006

Elektrische Mess-, Steuer-, und Laborgeräte — EMV  
Anforderungen — Teil 2-3: Besondere Anforderungen —  
Prüfanordnung, Betriebsbedingungen und Leistungsmerkmale  
für Messgrößenumformer mit integrierter oder abgesetzter  
Signalaufbereitung

CISPR 11: 2003, IEC 61000-4-2: 2001, IEC 61000-4-3: 2002, IEC 61000-4-4: 2004, IEC 61000-  
4-5: 2001, IEC 61000-4-6: 2006, IEC 61000-4-8: 1994

PED Richtlinie 97/23/EC

Konformitätsbewertungsmodul 'A' wird auf SPX-Modelle X228 UND X538 mit einem  
maximalen Druck von 200 Bar (3000 psi) oder größer angewandt.

Die handlungsbefugte und verantwortliche Person für die in Europa entstandene Zusammenstellung  
technischer Unterlagen:

Laidler Associates Consulting Services Ltd

Belasis Business Centre

Coxwold Way

Billingham, TS23 4EA, England

Ich versichere, dass die oben aufgeführten Produkte die oben genannten grundlegenden Anforderungen  
erfüllen.

Patrick Kosuth  
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9/29/2011

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## EC Declaration of Conformity

I seguenti trasduttori di pressione SPX:

2XXX, 3XXX (SPX-T), 4XXX, and 5XXX (SPX-L)

Sono parti con funzioni di sicurezza di sistemi di controllo valutati:

Performance Level 'c' (PL'c'), Categoria 1

Performance Level 'd' (PL'd'), Categoria 3

Valutate e testate risultano essere conformi ai requisiti di seguito riportati.

Direttiva Europea sui Macchinari 2006/42/EC

EN ISO 13849-1: 2008

Sicurezza dei macchinari — Parti con funzioni di sicurezza di sistemi di controllo Parte 1: Principi generali di progettazione

EN ISO 12100:2010

Direttiva EMC 2004/108/EC

IEC 61326-2-3:2006

Impianto elettrico per la misurazione, il controllo e l'utilizzo in laboratorio — Requisiti di Compatibilità Elettromagnetica — Parti 2-3: Requisiti Particolari — Test di configurazione, condizioni, condizioni operative e criteri di performance per trasduttori con condizionamento del segnale remoto o integrato

CISPR 11: 2003, IEC 61000-4-2: 2001, IEC 61000-4-3: 2002, IEC 61000-4-4: 2004, IEC 61000-4-5: 2001, IEC 61000-4-6: 2006, IEC 61000-4-8: 1994

Direttiva PED 97/23/EC

Il Modulo 'A' dell'Valutazione di CONformità si riferisce ai modelli SPX X228 E X538 con pressione massima di 200 bar (3000 psi) o superiore.

Il responsabile europeo preposto alla compilazione della scheda tecnica:

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Dichiaro la conformità dei prodotti sopra elencati ai requisiti precedentemente riportati.

Patrick Kosuth  
Vice Presidente, Dynisco Engineering

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