



QPS Evaluation Services Inc
Testing, Certification and Field Evaluation Body
Accredited in Canada, the USA, and Internationally

File
LR1346

CERTIFICATE OF COMPLIANCE (ISO TYPE 3 CERTIFICATION SYSTEM)

Issued to	Temposonics GmbH & Co. KG
Address	Auf Dem Schüffel 9 Lüdenscheid, Germany D-58513
Project Number	LR1346-4R1
Product	Linear Position Sensors
Model Number	GTEabc1e-EX, GTEabc3e-EX, GTEabc4e-EX and GTEabc5e-EX
Electrical Ratings	See Annex below
Markings	See Annex below
Applicable Standards	CSA C22.2 No. 60079-0:2015, CSA C22.2 No. 60079-15:2016 CSA C22.2 No. 60079-31:2015, CSA C22.2 No 61010-1:2012 CSA C22.2 No 213-17 ANSI/UL 61010-1 (2012, R2015), ANSI/UL 60079-0 (2013) ANSI/UL 60079-15 (2013), ANSI/UL 60079-31:2015 ANSI/UL 2225 (2013), ANSI/ISA 12.12.01 -2017
Manufacturing Location	Temposonics GmbH & Co. KG Auf Dem Schüffel 9, Lüdenscheid, Germany, D-58513
Factory Location	Temposonics GmbH & Co. KG Auf Dem Schüffel 9, Lüdenscheid, Germany, D-58513 Temposonics LLC – Sensors Division 3001 Sheldon Drive, Cary, NC 27513 USA

Statement of Compliance: The product(s)/equipment identified in this Certificate and described in the Certification Report covered under the above referenced project number have been investigated and found to be in compliance with the relevant requirements of the above referenced standard(s). As such, they are eligible to bear the QPS Certification Mark shown below, in accordance with the provisions of QPS's Service Agreement.

IMPORTANT NOTE: In order to maintain the integrity of the QPS Mark(s), certification will be revoked if:

- (1) Compliance to the above-mentioned Standard(s), or those identified in future QPS Standard Update Notice – SUN (QSD 55) is not maintained, or,
- (2) If the product/equipment is modified after certification is granted without prior written consent by QPS



Issued By: Rob Kohuch, P. Eng.

Signature:

Date: May 15, 2024





QPS Evaluation Services Inc
Testing, Certification and Field Evaluation Body
Accredited in Canada, the USA, and Internationally

File
LR1346

ANNEX:

Model (Supply)	Canada	US
GTEabc1e-EX (DC 24V +20/-15%)	Class I/II/III Div 2 T4 ABCDFG Ex nA IIC T4 Gc Ex tc IIIC T130°C Dc -20°C ≤Ta≤75°C	Class I/II/III Div 2 T4 ABCDFG Class I, Zone 2, AEx nA IIC T4 Class II/III, Zone 22, AEx tc IIIC T130°C -20°C ≤Ta≤75°C
GTEabc3e-EX (DC 13.0...17.0V)	Class I/II/III Div 2 T4 ABCDFG Ex nA IIC T4 Gc Ex tc IIIC T130°C Dc -20°C ≤Ta≤85°C	Class I/II/III Div 2 T4 ABCDFG Class I Zone 2, AEx nA IIC T4 Class II/III, Zone 22, AEx tc IIIC T130°C -20°C ≤Ta≤85°C
GTEabc4e-EX (24VDC +20%/-15%)	Class I/II/III Div 2 T4 ABCDFG Ex nA IIC T4 Gc Ex tc IIIC T130°C Dc -20°C ≤Ta≤85°C	Class I/II/III Div 2 T4 ABCDFG Class I Zone 2 AEx nA IIC T4 Class II/III, Zone 22, AEx tc IIIC T130°C -20°C ≤Ta≤85°C
GTEabc5e-EX 13.0...28.8VDC)	Class I/II/III Div 2 T4 ABCDFG Ex nA IIC T4 Gc Ex tc IIIC T130°C Dc -20°C ≤Ta≤85°C	Class I/II/III Div 2 T4 ABCDFG Class I Zone 2, AEx nA IIC T4 Class II/III, Zone 22, AEx tc IIIC T130°C -20°C ≤Ta≤85°C

Each model has its own designated ambient range and dust temperature limitation (see table).

The sensors are supplied with a rated voltage of 24 (-15%, +20%) VDC and a maximum current of 105 mA and have a permanently connected cable and gland arrangement.

The equipment is intended for permanent field installation.

Model nomenclature below:

GT Configurator

GTEabcde-EX

a = stroke length in mm (if b = M) or 0.1 inches (if b = U) (4 digits)

b = unit: M = metric, U = US commercial (1 digit)

c = connection type (3 digits)

Bxx = integral cable, pigtail termination (530162, xx = cable length in m (if b = M) or feet (if b = U))

d = power supply (1 digit)

1 = 24 Vdc +20 % / -15 % (Tamb max. 75 °C)

3 = 13.0 to 17.0 Vdc (Tamb max. 85 °C)

4 = 24 Vdc +20 % / -15 % (Tamb max. 85 °C)

5 = 13.0 to 28.8 Vdc (Tamb max. 85 °C)

e = output (2 digits)

V0 = 0 to +10 V

V1 = +10 to 0 V

V2 = -10 to +10 V

V3 = +10 to -10 V

A0 = 4 to 20 mA

A1 = 20 to 4 mA

A2 = 0 to 20 mA

A3 = 20 to 0 mA



The SCC and IAS Accreditation Symbols are official symbols of the respective accreditation bodies, used under license.

81 Kelfield St., Unit 8, Toronto, ON M9W 5A3 Tel: 416-241-8857; Fax: 416-241-0682

www.qps.ca

