



Member of the FM Global Group

FM Approvals
1151 Boston Providence Turnpike
P.O. Box 9102 Norwood, MA 02062 USA
T: 781 762 4300 F: 781-762-9375 www.fmaprovals.com

CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

IS-10-A-ab-c-defghi. Pressure Transmitters.

IS / I,II,III / 1 / ABCDEFG / T* - 2323880; Entity; IP**

I / 0 / AEx ia / IICT* - 2323880; Entity

DIP / II,III / 2 / FG / T*

NI / I / 2 / ABCD / T*

Entity Parameters:

$V_{Max} = 30$ V dc, $I_{Max} = 100$ mA, $P_i = 1$ W, $L_i = 0.1$ mH, $C_i = 022$ nF.

a = Unit: Any single alphanumeric character description representing standard pressure engineering unit.

b = Pressure Range: Any 2 alphanumeric digit character description that represents a specific pressure range from full vacuum to 1034 bar/15000 psi.

c = Pressure Connections: Any 2 digit alphanumeric character description that represents an FM Approved connection as listed on Dwgs. 2317260 for piezo or 2317252 for thin film systems.

d = Special Design Feature: E, A or Z.

e = Accuracy: any single alphanumeric character.

f** = Electrical Connection: AX(IP65), MX(IP68), DX(IP67), EX(IP68), XX(IP68) or NX(IP67) or U4(IP65).

g = Cable Length: any single alphanumeric character representing a cable length less than 914 ft.

h = Temperature Range of Medium: A or M.

i = Approvals: F.

T* = T6 at 60°C, T5 at 70°C, and T4 at 85°C.

Special Condition of use:

Potential Electrostatic Charging Hazard - Parts of the enclosure may be constructed from plastic. To prevent the risk of electrostatic sparking the plastic surface should only be cleaned only with a damp cloth.

IL-10-A-ab-GB-cdef. Pressure Transmitters.

IS / I,II,III / 1 / ABCDEFG / T* - 2323880; Entity; IP**

I / 0 / AEx ia / IICT* - 2323880; Entity

DIP / II,III / 2 / FG / T*

NI / I / 2 / ABCD / T*

Entity Parameters:

$V_{Max} = 30$ V dc, $I_{Max} = 100$ mA, $P_i = 1$ W, $L_i = 0.1$ mH, $C_i = 022$ nF.

a = Unit: Any single alphanumeric character description representing standard pressure engineering unit.

b = Pressure Range: Any 2 alphanumeric digit character description that represents a specific pressure

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range from full vacuum to 1034 bar/15000 psi.

c = Special Design Feature: Z or K.

d = Accuracy: any single alphanumeric character.

e = Cable Length: Cable Length: any single alphanumeric character representing a cable length less than 914 ft.

f = Approvals: F.

T* = T6 at 60°C, T5 at 70°C, and T4 at 85°C

Special Condition of use:

Potential Electrostatic Charging Hazard - Parts of the enclosure may be constructed from plastic. To prevent the risk of electrostatic sparking the plastic surface should only be cleaned only with a damp cloth.

IS-11-A-bcd-efghij. Pressure Transmitters.

IS / I,II,III / 1 / ABCDEFG / T* - 2323880; Entity; IP**

IS / I / 0 / AEx ia / IIC / T* - 2323880; Entity

DIP / II,III / 2 / FG / T*

NI / I / 2 / ABCD / T*

Entity Parameters:

$V_{Max} = 30$ V dc, $I_{Max} = 100$ mA, $P_i = 1$ W, $L_i = 0.1$ mH, $C_i = 022$ nF.

a = Unit: Any single alphanumeric character description representing standard pressure engineering unit.

b = Pressure Range: Any 2 alphanumeric digit character description that represents a specific pressure range from full vacuum to 1034 bar/15000 psi.

c = Pressure Connections: Any 2 digit alphanumeric character description that represents an FM Approved connection as listed on Dwgs. 2317260 for piezo or 2317252 for thin film systems.

d = Material of Wetted Parts: 1,L,B, or S.

e = Special Design Feature: E, A or Z.

f = Accuracy: any single alphanumeric character.

g** = Electrical Connection: AX(IP65), MX(IP68), DX(IP67), EX(IP68), XX(IP68) or NX(IP67) or U4(IP65).

h = Cable Length: any single alphanumeric character representing a cable length less than 914 ft.

i = Temperature Range of Medium: A or M.

j = Approvals: F.

T* = T6 at 60°C, T5 at 70°C, and T4 at 85°C.

Special Condition of use:

Potential Electrostatic Charging Hazard - Parts of the enclosure may be constructed from plastic. To prevent the risk of electrostatic sparking the plastic surface should only be cleaned only with a damp cloth.

Equipment Ratings:

Intrinsically safe with Entity Parameters per manufacturer's Control Drawing 2323880, for use in Class I, II and III, Division 1, Groups A, B, C, D, E, F and G and Class I, Zone 0, AEx ia IIC Dust Ignitionproof for Class II, III Division 1, Groups E, F and G: Nonincendive for Class I Division 2 Groups A, B, C, and D indoor/outdoor IP** hazardous (classified) locations

FM Approved for:

Wika Instrument Corporation.
1000 Wiegand Blvd,
Lawrenceville, Georgia 30043, USA

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This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3600	2011
Class 3610	2010
Class 3611	2004
Class 3810	2005

Original Project ID: 3008939

Approval Granted: August 30, 2001

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3046810	April 11, 2014		

FM Approvals LLC

J. E. Marquedant
Group Manager, Electrical

11 April 2014
Date

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