



FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

2H3, B3G, H3G, BM3, H3, H3C, H3A, H3E, H3F, H3J, B8D, B8K, BM8D, BM8F, BM8H, H8, H8B, H8C, H8E, H8K, HM8, HM8C, B6E, B6F, B6G, B6N, B6Q, BM6A, BM6G, BM6R, H6B, H6E, H6E3, H6F, H6G, H6G5, B9C, B9D, B9E, B9F, B9H, B9J, B9K, H9B, H9C, H9D, H9N, HM9B, HM9C, HM9E, BM11, HM11, BM14A, BM14C, BM14D, BM14G, BM14K, HM14C. Load Cells.

Note: The above models include the followings options: -abcdefghijk

IS / I, II, III / 1 / ABCDEFG / T4 Ta = 40 °C – 521302; Entity; Type IP6*

I / 0 / Ex ia IIC / T4 Ta = 40 °C – 521302; Entity; Type IP6*

NI / 1 / 2 / ABCD / T4 Ta = 40 °C – 521302; Nonincendive Field Wiring; Type IP6*

I / 2 / Ex nL IIC / T4 Ta = 40 °C; – 521302; Energy-Limited Field Wiring Type IP6*

DIP / 2 / II, III / FG / T4 Ta = 40 °C; – 521302; Nonincendive Field Wiring Type IP6*

Nonincendive Field Wiring/Entity Parameters:

Vmax (Ui) = 20 V, I_{max} (Ii) = 600 mA, Pi (Po) = 6 W

a = Material. H (alloy steel) or B (stainless steel)

b = Sealing. Blank (potted) or M (hermetic welded)

c = Type and structure. 2 (spoke type), 3 (S-beam), 6 (single point), 8 (single shear beam), 9 (dual shear beam), 11 (single point with bellow), 14 (column type) or 16 (dual parallel beam)

d = Blank. Reserved for future options

e = Working condition. D (digital load cell) or T (high temperature)

f = Accuracy. A5S (NTEP III Single 5000 Division), A5M (NTEP III Multiple 5000 Division) B10S (NTEP III L Single 10000 Division), B10M (NTEP III L Multiple 10000 Division), C1 (OIML 1000 Division), C2 (OIML 2000 Division), C3 (OIML 3000 Division), C3D (0.02%), G1 (0.1%), G2 (0.2%) or G3 (0.3 %)

g = Capacity. lb (pounds), K (Klb), kg (kilograms), T (metric tons), N (Newtons), KN (KiloNewtons) or MN (MegaNewtons).

h = Cable length in feet (maximum of 200)

i = Thread. Blank (metric) or Y (imperial)

j = Configuration. B (standard cable and cable fitting), T (spring cable fitting), F (rat proof cable), G (shield connected to the element) or J (connector)

k = Cable conductor. Blank (four-conductor) or 6 (six-conductor)

l = Options. SC (current output), R (resistance variation), S (sensitivity variation), W (outline variation) or A (current output & sensitivity variation)

*Type IP65 for Models B6E, B6F, H6E, H6F, B6G, H6G.

*Type IP66 for Model H8E.

*Type IP67 for Models 2H3, H3C, H3E, H3F, H3J, B3G, H3G, H3, H3A, H8, H8B, H8C, H8R, B8D, H8K, B8D, B8K, BM8D, BM8F, H6G5, H6B, H6E3, B6N, B6Q, B9C, B9D, H9C, H9D, B9F, B9E, B9H, B9J,



B9K, H9N, H9B.

*Type IP68 for Models BM3, HM8, HM8C, BM8H, BM6R, BM6G, BM6A, BM11, HM11, BM14A, BM14G, BM14K, BM14D, BM14C, HM14C, HM9C, HM9B, HM9E.

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Specific Conditions of Use:

It is the responsibility of the manufacturer to provide warning markings in French where required by local jurisdictions.

Equipment Ratings:

Intrinsically Safe for use in Class I, II, III, Division 1, Groups A, B, C, D, E, F and G; Class I, Zone 0, Ex ia IIC in accordance with Control Drawing No. 521302; Class I, Division 2, Groups A, B, C, and D; Nonincendive field wiring; Class I, Zone 2 Group IIC with energy limited field wiring in accordance with Control Drawing No. 521302; Suitable for Class II and III, Division 2, Groups F and G indoor/outdoor Type IP6* Hazardous Locations.

FM Approved for:

Zhonghang Electronic Measuring Instrument Co., Ltd.
Shaanxi, China



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

CSA C22.2 No.157	2004
CSA C22.2 No. 213	2006
CSA C22.2 No.1010.1	2004
CSA C22.2 No. 60519	2005
CSA-E60079-11	2006
CSA-E60079-0	2006
CSA E60079-15	2002

Original Project ID: 3028470C

Approval Granted: October 31, 2008

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
081105	11 th November 2008		

FM Approvals LLC

Timothy Adam
Technical Team Manager

11th November, 2008
Date