



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.fmapprovals.com

CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

320IS. Digital Weight Indicator.

IS / I,II,III / 1 / ABCDEFG / T4 - 72717 / D; Entity

Power Input Entity parameters:

$V_{Max} = 7.9 \text{ V}$, $I_{Max} = 3.56\text{A}$, $C_i = 8.58 \mu\text{F}$, $L_i = 5.64 \mu\text{H}$, $P_{Max} = 6.27 \text{ W}$.

Load Cell Output Parameters:

$V_{oc} = 5.88 \text{ V}$, $I_{sc} = 100 \text{ mA}$, $C_a = 31.67 \mu\text{F}$, $L_a = 7.98 \text{ mH}$, $P_o = 0.147 \text{ W}$.

Specific Condition for use;

The keypad is considered to constitute an electrostatic discharge hazard. Clean only with a damp cloth.

320IS Plus. Digital Weight Indicator

IS / I, II, III / 1 / ABCDEFG / T4 - 72717; Entity

Power Input Entity parameters:

$V_{Max} = 7.9 \text{ V}$, $I_{Max} = 3.56\text{A}$, $C_i = 8.58 \mu\text{F}$, $L_i = 5.64 \mu\text{H}$, $P_{max} = 6.27\text{W}$

Load Cell Output Parameters:

$V_{oc} = 5.88\text{V}$, $I_{sc} = 100\text{mA}$, $C_a = 31.67 \mu\text{F}$, $L_a = 7.98\text{mH}$, $P_o = 0.147\text{W}$

Specific Condition for use;

The keypad is considered to constitute an electrostatic discharge hazard. Clean only with a damp cloth.

Equipment Ratings:

Intrinsically Safe for use in Class I, II, III, Division 1, Groups A, B, C, D, E, F and G, with entity parameters, Temperature Code T4, $T_a = 40^\circ\text{C}$ Hazardous (Classified) Locations.

FM Approved for:

Rice Lake Weighing Systems
Rice Lake, WI United States

To verify the availability of the Approved product, please refer to www.approvalguide.com
FM Approvals HLC 5/13 0003017306



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 3810	2005

Original Project ID: 0003017306

Approval Granted: December 22, 2003

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
040805	September 24, 2004		
3041807	September 24, 2013		

FM Approvals LLC

J.E. Marquedant
Group Manager, Electrical

24 September 2013

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com



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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

IS-EPS-100-240. Power Supply.

S / I,II,III / 1 / ABCDEFG; T4; AIS / I,II,III / 1/ ABCDEFG - 77321

Entity Parameters:

$V_{oc} = 7.875 \text{ V}$, $I_{sc} = 1.31 \text{ A}$, $C_a = 8.8 \mu\text{F}$, $L_a = 46.4 \mu\text{H}$, $P_o = 2.57 \text{ W}$

Equipment Ratings:

Suitable for use in Class I, II, and III, Division 1, Groups A, B, C, D, E, F and G with Intrinsically Safe Output connections with Entity Parameters, Temperature Code T4 with $T_a = 40^\circ\text{C}$, Hazardous (Classified) Locations.

FM Approved for:

Rice Lake Weighing Systems
Rice Lake, WI United States



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 3810	2005

Original Project ID: 0003017315

Approval Granted: November 24, 2003

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
0003041807	September 24, 2013		

FM Approvals LLC

J.E. Marquedant
Group Manager, Electrical

24 September 2013

Date

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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

56214 (KLB8900-1). Battery Module.

IS / I,II,III / 1 / ABCDEFG / T6 - 80995; Entity; Type 4X

Entity Parameters:

$V_{oc} = 7.05 \text{ V}$, $I_{sc} = 6.75 \text{ A}$, $P_o = 3 \text{ W}$, $C_a = 14.6 \mu\text{F}$, $L_a = 1.76 \mu\text{H}$.

31215. Battery Module.

IS / I,II,III / 1 / ABCDEFG / T6 - 80995; Entity; Type 4X

Entity Parameters:

$V_{oc} = 7.05 \text{ V}$, $I_{sc} = 6.75 \text{ A}$, $P_o = 3 \text{ W}$, $C_a = 14.6 \mu\text{F}$, $L_a = 1.76 \mu\text{H}$.

72725. Battery Module.

IS / I,II,III / 1 / ABCDEFG / T6 - 77412; Entity; Type 4X

Entity Parameters:

$V_{oc} = 7.05 \text{ V}$, $I_{sc} = 3.56 \text{ A}$, $P_o = 3 \text{ W}$, $C_a = 14.6 \mu\text{F}$, $L_a = 6.31 \mu\text{H}$.

Equipment Ratings:

Intrinsically Safe with Entity Parameters for Class I, II, and III, Division 1, Groups A, B, C, D, E, F and G, Temperature Code T6 with $T_a = 40^\circ\text{C}$, NEMA 4X Hazardous (Classified) Locations.

FM Approved for:

Rice Lake Weighing Systems
Rice Lake, WI United States



Member of the FM Global Group

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 3810	2005

Original Project ID: 0003017339

Approval Granted: February 2, 2004

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
0003041807	September 24, 2013		

FM Approvals LLC

J.E. Marquedant
Group Manager, Electrical

24 September 2013

Date