DT-102-SS-XXX-AT2

Stainless Steel ATEX Approved Keyboard

iKey manufactures peripherals designed to reduce the risk of failure in hazardous environments. The new DT-102-XXX-AT2, part of the DT-102-EX™ line, carries FM-approval for ATEX Zone 2 area, making it an ideal solution for locations where explosive gases may be present. Built with an industrial grade stainless steel case and keys, the DT-102-XXX-AT2 is virtually indestructible and tamper proof. Designed as a complete data input solution, it features an integrated touchpad and 10-key numeric pad. It also ships with optional bulkhead cables for complete protection.

NOTE:
 When ordering please note the cable type in the XXX portion of the part number.

To learn more, visit our DT-102-EX video on YouTube's iKeyKeyboards Channel: Click Here
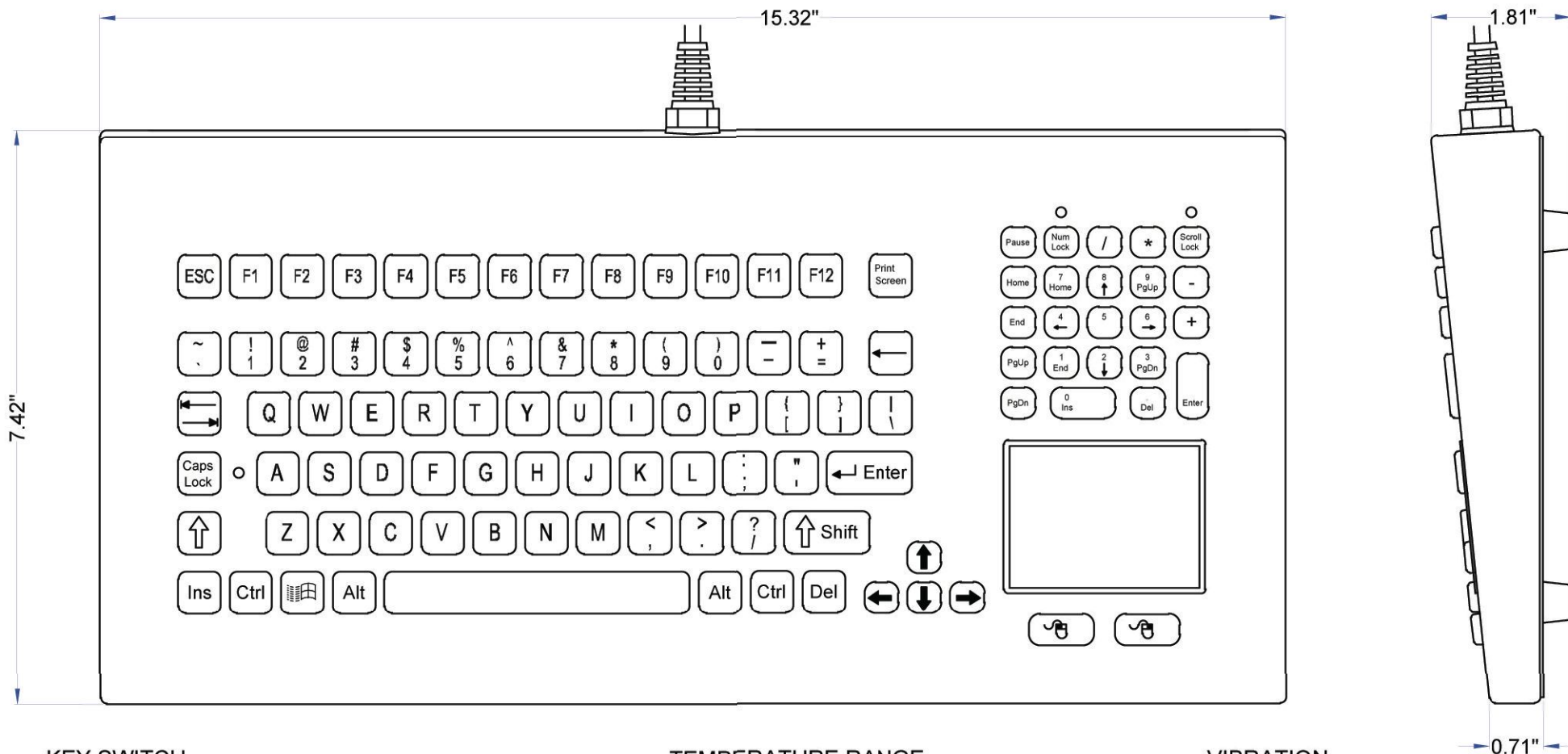
Technical Specifications

Shock	3 x 11 ms pulses of 50g on each of 3 axes
Cable	Where XXX= PS/2, CX, or USB Note: Compatible and certified isolation barriers must be used.
Hazardous Location Ratings	Ex ic IIC T4; Ta=60C IP65
Certified to European Standards	EN60079-0, EN60079-11, IEC 60529
Entity Parameters	Ui=5.4V Ii=135mA Pi=0.7W Ci=63.23uF Li=2.41uH Note: UM not to exceed 7V
Key Switch	MATERIAL: Brushed Stainless Steel LIFE: Greater than 10 Million Cycles TRAVEL: 0.079 in. (2.01 mm) ACTUATION FORCE: 4.23 oz. +/- 0.18 oz (120 g +/- 5 g)
Vibration	POWER SPECTRAL DENSITY: .04g/HZ FREQUENCY OF RANGE: 20Hz-2Khz DURATION OF TEST PER AXIS: 3 hours
Power	Reference Drawing Numbers HL-0015 Power Requirements.
Compatability	All Windows Operating Systems
Temperature Range	STORAGE: -40C to +65C (-40F to +149F) OPERATING: -20C to +60C (-4F to +140F)
Weight	5.50 lbs +/- 0.10 lbs (2.49 kg +/- 0.5 kg)
Warranty	1 year limited warranty
Humidity	100% Humidity Resistant
Dimensions	15.32" x 7.42" x 1.8" (w-h-d) 38.9mm x 188mm x 46mm

Features and Benefits

- 10-Key Numeric Pad
- Stainless steel keys and case
- FM Approval ATEX Zone 2

- PS/2 configurations available
- Integrated Touchpad

DT-102-SS

15.32"

1.81"

7.42"

0.71"

KEY SWITCH

MATERIAL: Brushed Stainless Steel
LIFE: Greater Than 10 Million Cycles
TRAVEL: 0.079 in.
ACTUATION FORCE: 4.23 oz. +/- 0.18oz (120g +/- 5g)
FEEDBACK: Tactile with Mechanical Snap

POWER

PS2:
KEYBOARD: 50mA@5V (from Keyboard port)
POINTER: 10mA@5V (from Mouse port)
USB: 60mA@5V (from CPU port)

TEMPERATURE RANGE

STORAGE: -40°F to +149°F (-40°C to +65°C)
OPERATING: -4°F to +140°F (-20°C to +60°C)

HUMIDITY

100% Humidity Resistant

VIBRATION

POWER SPECTRAL DENSITY: .04g²/HZ
FREQUENCY RANGE: 20Hz-2Khz
DURATION OF TEST PER AXIS: 3 hours

SHOCK

3 X 11 ms pulses of 50g on each of 3 axis

WEIGHT

5.50 lbs +/- 0.10 lbs (2.49 kg +/- 0.05 kg)

SCALE: 1:2

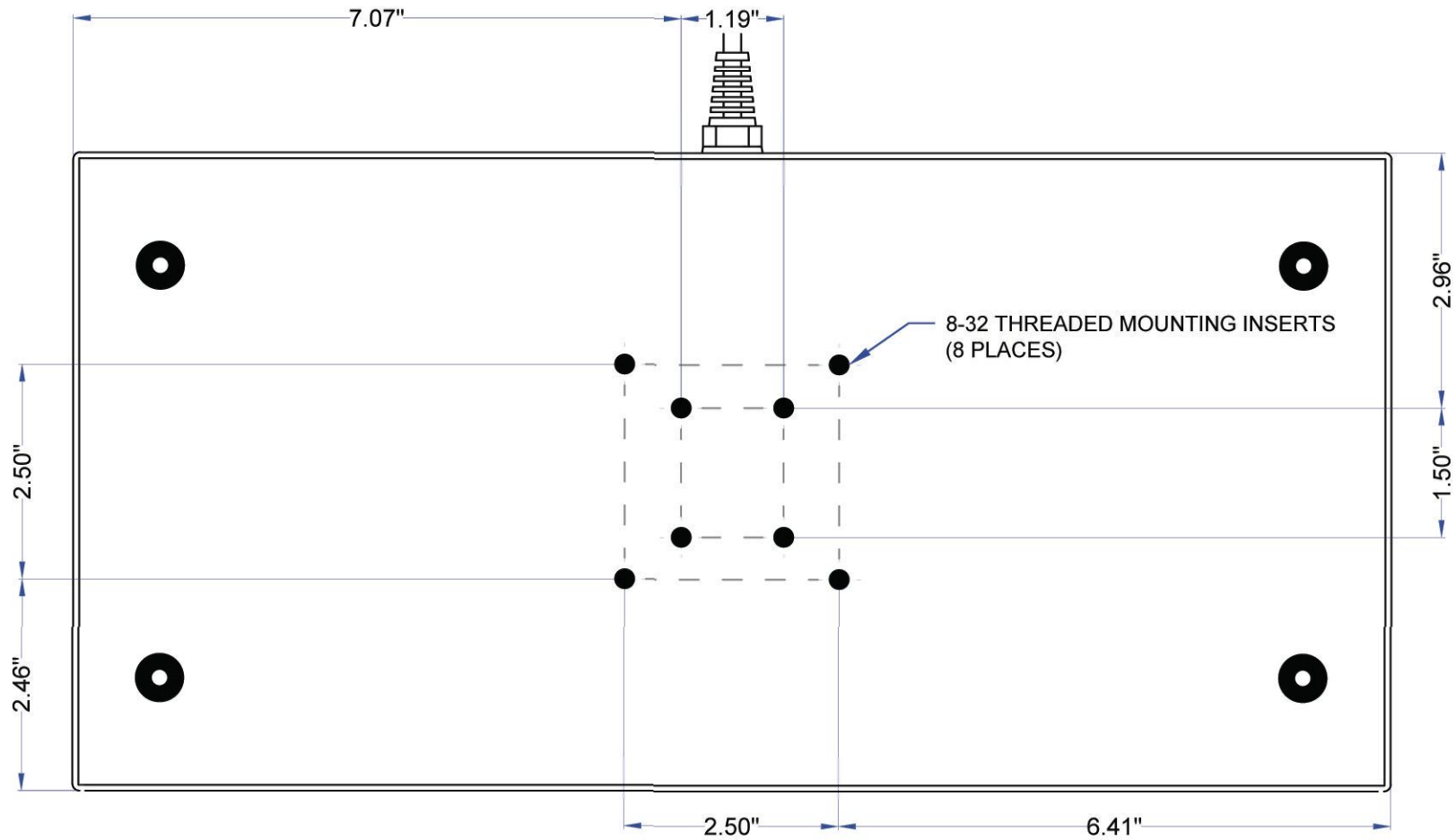| Part Number: DT-102-SS	Drawing Number: MKT0219	Sheet: 1 OF 2	
Drawing Title: DT-102-SS-MKT	Revision: 1.2	Date: 11.30.11	TWH

DT-102-SS BACK / MOUNTING

7.07"

1.19"

2.96"

8-32 THREADED MOUNTING INSERTS
(8 PLACES)

2.50"

1.50"

2.46"

2.50"

6.41"

SCALE: 1:2

| Part Number: DT-102-SS | Drawing Number: MKT0219 | Sheet: 2 OF 2 | |
| Drawing Title: DT-102-SS-MKT | Revision: 1.2 | Date: 11.30.11 | TWH |