

# PM-1000-IS

## Intrinsically Safe Stainless Steel Panel Mount Keyboard

iKey manufactures devices to reduce risk of failure in your hazardous areas. The intrinsically safe PM-1000-IS is framed in stainless steel to ensure optimal durability and waterproof functionality. It is designed to meet NEMA 4X specifications, which enables it to survive in the roughest of conditions. The PM-1000-IS has a Factory Mutual approval for Class I, II and III, Division I, Groups C, D, E, F and G. The unit includes optical isolated barriers and bulkhead cables for complete protection in hazardous locations.



### Technical Specifications

Certifications	NEMA 4X UL60950, FCC Part 15 Class B Factory Mutual Class I, II, & III, Division I, Groups C, D, E, F, & G
Shock	3x11 ms pulses of 50g on each of 3 axes
Cable	LENGTH: 5 feet from keyboard to Bulkhead Connector DESIGN: 2 separate cables
Key Switch	MATERIAL: Industrial silicone rubber LIFE: 10 million cycles TRAVEL: 0.055 in. (1.4mm) ACTUATION FORCE: 7.03 oz. +/- 1.06 oz. (200g +/- 30g) FEEDBACK: Tactile with mechanical snap
Vibration	POWER SPECTRAL DENSITY: 0.04g/Hz FREQUENCY RANGE: 20Hz - 2 kHz DURATION OF TEST PER AXIS: 3 hours
Flammability	PRINTED CIRCUIT BOARD: 94 VO SILICONE OVERLAY: 94 HB INTERFACE CABLE: 94 VO
Compatability	PS/2 KEYBOARD: All Windows Operating Systems
Temperature Range	STORAGE: -40C to +90C (-40F to +194F) OPERATING: -40C to +70C (-40F to +158F)
Weight	5.6 lbs +/- 0.10 lbs (2.54 kg +/- 0.05 kg)
Warranty	1 year limited warranty
Humidity	100% (when properly installed)
Dimensions	17.70" x 9.20" x 1.58" (w-h-d) 449.6mm x 233.7 mm x 40.1 mm
Model Numbers	

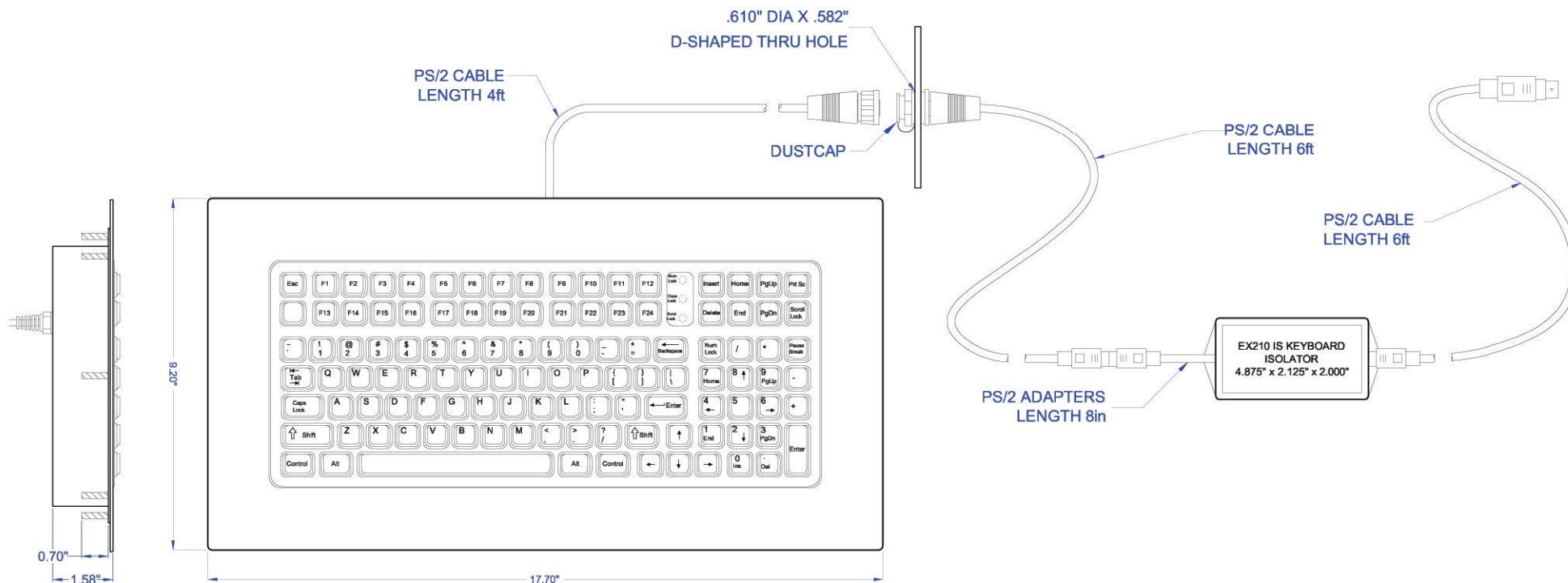
### Features and Benefits

- 10-Key Numeric Pad
- 114-Key Functionality
- 24 Function Keys
- PS/2 configurations available

# PM-1000-IS

Hazardous (Classified) Location

Non Hazardous (Unclassified) Location



## KEYBOARD SPECIFICATIONS:

### KEY SWITCH

MATERIAL: Industrial Silicone Rubber  
LIFE: Greater Than 10 Million Cycles  
TRAVEL: 0.055 in.  
ACTUATION FORCE: 7.03 oz. +/- 1.06oz (200g +/- 30g)  
FEEDBACK: Tactile with Mechanical Snap

### POWER

Reference Drawing Number IS-94001 for Power Requirements  
Installation shall be in accordance with NEC, Article 504,  
ANSI, NFPA 70

### TEMPERATURE RANGE

STORAGE: -40°F to +194°F (-40°C to +90°C)  
OPERATING: -40°F to +158°F (-40°C to +70°C)

### HUMIDITY

100% Humidity Resistant

### VIBRATION

POWER SPECTRAL DENSITY: .04g<sup>2</sup>/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

5.6 lbs +/- 0.10 lbs (2.54 kg +/- 0.05 kg)

PROPRIETARY AND CONFIDENTIAL

NOT TO SCALE

Part Number: PM-1000-IS

Drawing Number: MKT0293

Sheet: 1 OF 1

Drawing Title: PM-1000-IS-MKT

Revision: 1.0

Date: 12.12.11

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