PM-5K-MEM-TP

Membrane Keyboard with Touchpad

The PM-5K-MEM-TP is the panel mount model in iKey's membrane keyboard product line, built to withstand the harshest environments. It is manufactured with a hardcoated, textured polyester film and trampoline-mounted, snap-dome switches that provide a superior feel and actuation over a standard membrane keyboard. The integrated Synaptics touchpad is completely sealed under an extra layer of PVC membrane, which extends the life of the product. It lacks the crevices found between the keys of regular keyboards. It is designed to meet NEMA 4X specifications, withstanding directed hose water, disinfectants, environmental contaminants and heavy industrial use.
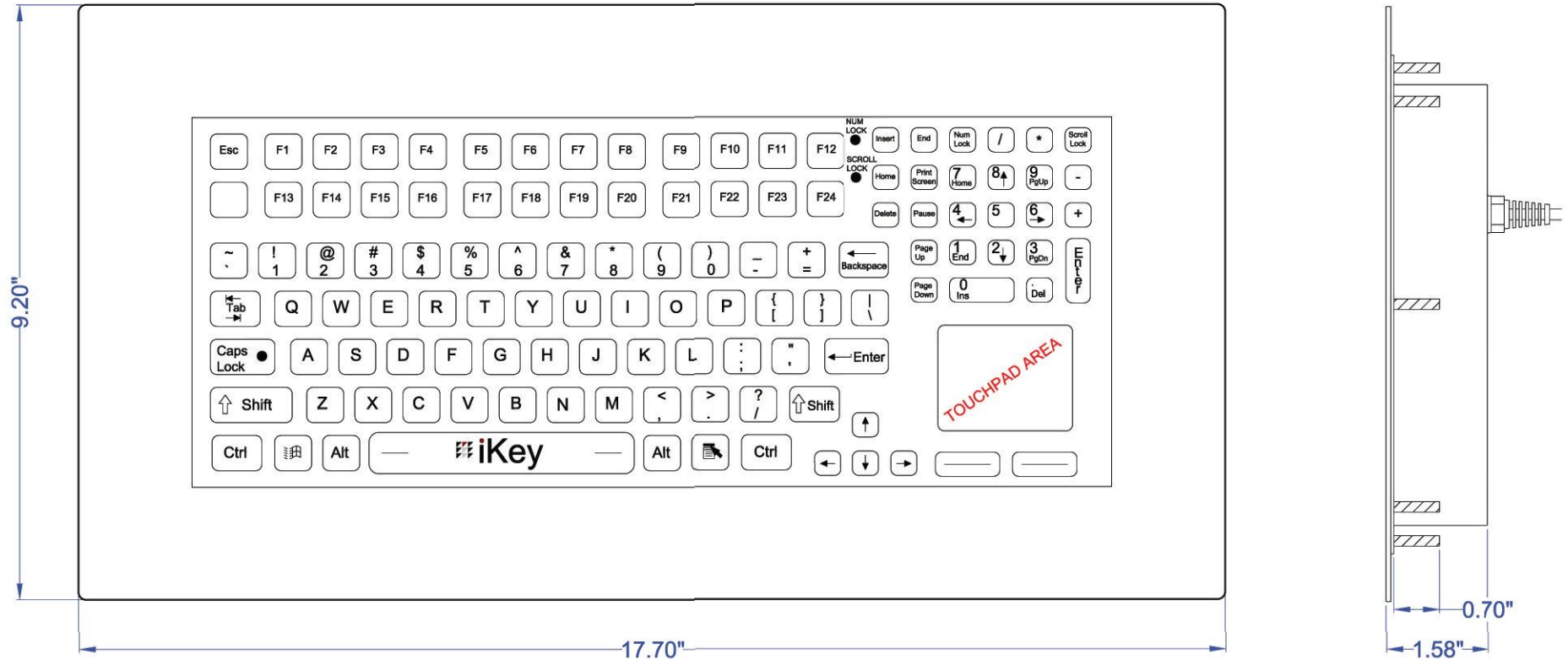
Technical Specifications

Certifications	NEMA 4X UL60950;FCC Part 15 Class B; CE
Shock	3 x 11 ms pulses of 50g on each of 3 axes
Cable	LENGTH: 10 feet (3 meters) DESIGN: "Y" PS/2 Cable (providing separate keyboard and mouse connections), or Single-Cable USB
Key Switch	MATERIAL: Hardcoated Textured Polyester Film LIFE: Greater Than 1 Million Cycles TRAVEL: 0.020 in. (0.51mm) ACTUATION FORCE: 9.88 oz +/- 1.06 oz (280g +/- 30g) FEEDBACK: Tactile with Mechanical Snap
Vibration	POWER SPECTRAL DENSITY: .04g/HZ FREQUENCY RANGE: 20Hz-2Khz DURATION OF TEST PER AXIS: 3 hours
Power	PS/2: KEYBOARD: 50mA@5V (Keyboard port) TOUCHPAD: 10mA@5V (Mouse port) USB: 60mA@5V (CPU port)
Compatability	PS/2 KEYBOARD/TOUCHPAD: All Windows Operating Systems USB KEYBOARD/TOUCHPAD: All Windows and Macintosh OS
Temperature Range	STORAGE: -40C to +65C (-40F to +149F) OPERATING: 0C to +60C (+32F to +140F)
Weight	5.25 lbs +/- 0.10 lbs (2.38 kg +/- 0.05 kg)
Warranty	1 year limited warranty
Humidity	100% Humidity Resistant
Dimensions	17.70" x 9.20" x 1.58" (w-h-d) 449.6mm x 233.7mm x 40.1mm
Model Numbers	PM-5K-MEM-TP-PS2: With PS/2 Cable PM-5K-MEM-TP-USB: With USB Cable

Features and Benefits

- 10-Key Numeric Pad
- Hardcoated Textured Polyester Film
- Stainless Steel Case
- 24 Function Keys
- Integrated Touchpad

PM-5K-MEM-TP

9.20"

17.70"

0.70"

1.58"

KEY SWITCH

MATERIAL: Hardcoated Textured Polyester Film
LIFE: Greater Than 1 Million Cycles
TRAVEL: 0.020 in.
ACTUATION FORCE: 9.88 oz. +/- 1.06oz (280g +/- 30g)
FEEDBACK: Tactile with Mechanical Snap

POWER

PS2:

KEYBOARD: 50mA@5V (from Keyboard port)

TOUCH PAD: 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: +32°F to +140°F (0°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
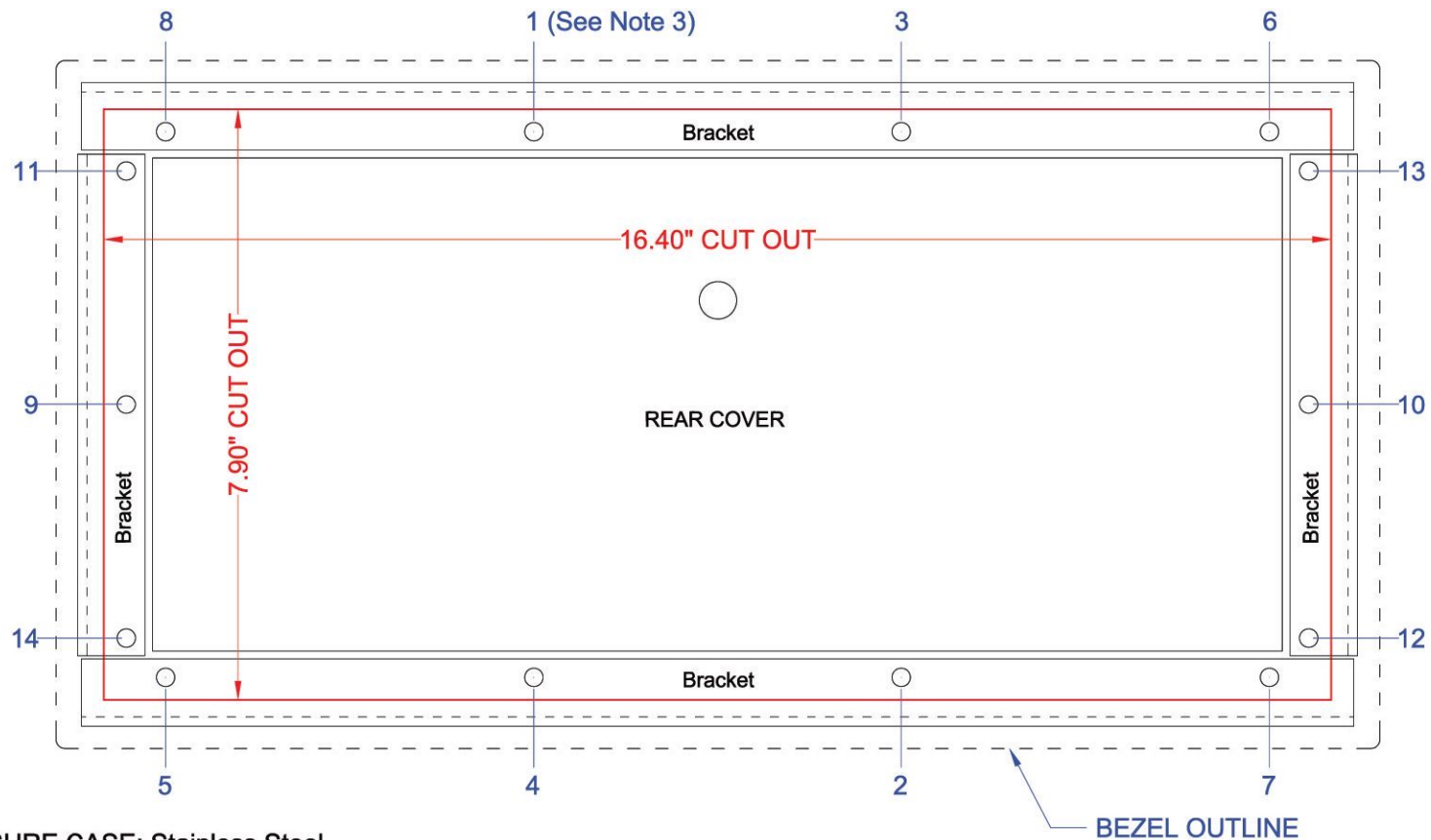
SHOCK

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

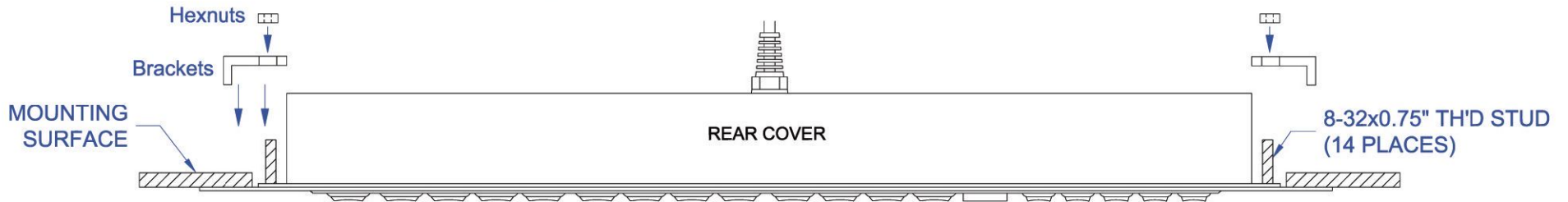## WEIGHT

5.25 lbs +/- 0.10 lbs (2.38 kg +/- 0.05 kg)

SCALE: 1:2.5

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PM-5K-MEM-TP BACK / MOUNTING

Hexnuts

Brackets

MOUNTING SURFACE

REAR COVER

8-32x0.75" TH'D STUD (14 PLACES)

8   1 (See Note 3)   3   6

Bracket

11   13

16.40" CUT OUT

7.90" CUT OUT

9   REAR COVER   10

Bracket   Bracket

14   12

Bracket

5   4   2   7

BEZEL OUTLINE

ENCLOSURE CASE: Stainless Steel

1. PLACE UNIT IN 7.9"X16.4" CUT PIT
2. PLACE 4 BRACKETS ON EACH SIDE AND HAND TIGHTEN LOCKING HEXNUTS OVER ALL 14 8-32x0.75" STUDS
3. TIGHTEN WITH TORQUE WRENCH (15 IN.LB.) IN ORDER SHOWN (1-14) ABOVE

SCALE: 1:2.5

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