

# MILITARY KEYBOARD

Compact Backlit Industrial Rugged Keyboard with MIL-STD-461G suitable for surface ships, submarines, aircrafts and other space and ground systems used in military applications



**Model: Ymil-8800**

The Ymil-8800 is designed to meet MIL-STD-461G specifications, making this keyboard suitable for surface ships, submarines, aircrafts and other space and ground systems used in military applications. This compact model is also a popular solution for big box retailers such as Sam's Club, Amazon and Costco. This keyboard operates effectively around radios, transmitters and other susceptible equipment without creating adverse effects from conducted disturbances. The Ymil-8800 offers a rugged keyboard and mounting holes for a secure fit in vehicles.

## FEATURES:

- 10-Year Lifespan
- 12 Function Keys
- 88-Key Functionality
- Green Backlit Keys
- Polycarbonate Case with Mounting Holes
- USB and PS/2 configurations available
- Option - NVIS compatible backlight

## SPECIFICATIONS:

<b>CERTIFICATIONS</b>	NEMA 4X UL60950, FCC Part 15 Class B
<b>SHOCK</b>	3x11 ms pulses of 50g on each of 3 axes
<b>CABLE</b>	LENGTH: 4 ft coiled (1.2m)
<b>KEY SWITCH</b>	MATERIAL: Industrial silicone rubber LIFE: 10 million cycles TRAVEL: 0.055 in. (1.4mm) ACTUATION FORCE: 7.05 oz +/- 1.06 oz (200g +/- 30g) FEEDBACK: Tactile with mechanical snap
<b>VIBRATION</b>	POWER SPECTRAL DENSITY: 0.04g/Hz FREQUENCY RANGE: 20Hz - 2 kHz DURATION OF TEST PER AXIS: 3 hours
<b>POWER</b>	PS2: 200mA@5V (from Keyboard port) USB: 200mA@5V (from CPU port)
<b>FLAMMABILITY</b>	PRINTED CIRCUIT BOARD: 94 VO SILICONE OVERLAY: 94 HB INTERFACE CABLE: 94 VO
<b>COMPATABILITY</b>	PS/2: All Windows Operating Systems USB: All Windows and Macintosh OS
<b>TEMPERATURE RANGE</b>	STORAGE: -40C to +90C (-40F to +194F) OPERATING: -20C to +60C (-4F to +140F)
<b>WEIGHT</b>	2 lbs +/- 0.10 lbs (0.91 kg +/- 0.05kg)
<b>WARRANTY</b>	1 year limited warranty
<b>HUMIDITY</b>	100%
<b>DIMENSIONS</b>	11.40" x 6.30" x 1.86" (w-h-d) 285.8mm x 158.8mm x 45.7mm

*\*Specifications subject to change without notice, not responsible for typographical errors.*

## MECHANICAL DRAWING

This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.



### KEY SWITCH

MATERIAL: Industrial Silicone Rubber  
 LIFE: Greater Than 10 Million Cycles  
 TRAVEL: 0.055 in.  
 ACTUATION FORCE: 7.05 oz. +/- 1.06oz (200g +/- 30g)  
 FEEDBACK: Tactile with Mechanical Snap

### TEMPERATURE RANGE

STORAGE: -40°F to +194°F (-40°C to +90°C)  
 OPERATING: -4°F to +140°F (-20°C to +60°C)

### VIBRATION

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

### POWER

PS2: 200mA@5V (from Keyboard port)  
 USB: 200mA@5V (from CPU port)

### HUMIDITY

100% Humidity Resistant

### SHOCK

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

### WEIGHT

2.00 lbs +/- 0.10 lbs (0.91 kg +/- 0.05 kg)