



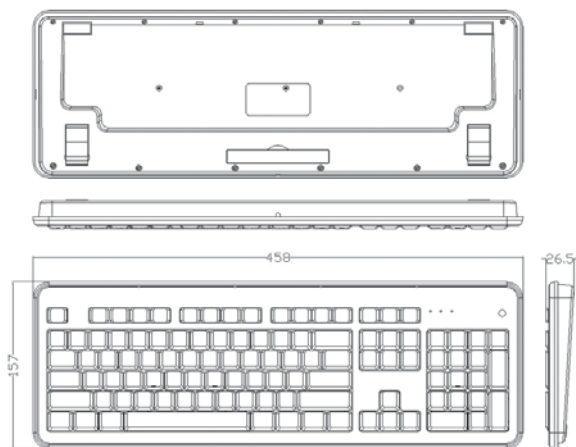
Art No. ID0080

Illuminated Keyboard

Specifications:

- Full size multimedia illuminated USB keyboard
- Keyboard: German layout, 105keys
- LED Color: Orange color and blue color changeable
- LEDs adjustable with special LED Button
- Easily typing – even in the dark
- With Numlock/Capslock/Scroll Lock 3 LEDs indicator
- Comfortable and durable slim keycaps
- Compatible with Win 2000/XP/Vista/7

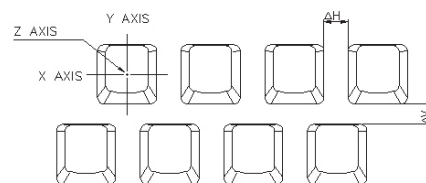
Physical Characteristics:



- Dimension: 458(L)x157(W)x26.5(H) mm
- Weight: 760 ± 20g

Electrical Specification:

- Key Pitch: 18mm (1x1 key)
- Keytop pull out force
- Pull out force: 800g or More
- Keytop Strength: To withstand 1kgf at X and Y directions for 5sec
- Max. Keytop depressing force: To withstand 5kgf at the center of keytop for 1 minute
- Keytop Wobble



SPACING—AT BASE OF KEYCAPS
 HORIZONTAL VARIATION(ΔH)---±0.3mm MAX
 VERTICAL VARIATION(ΔV)-----±0.3mm MAX
 X-Y AXIS (CAP ROTATION)-----±2° MAX
 Z AXIS (WOBBLE)-----±2.5° MAX

Note 1.

STRAIGHTEDGE (NOT PRESSED)

GAP<0.3mm Z AXIS TILTED<0.5mm

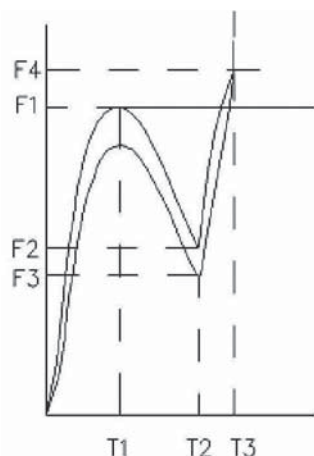




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- Keytop travel and force
Travel: $3.0 \pm 0.2\text{mm}$



- 1: T1: $1.0 \pm 0.2\text{mm}$
- 2: T2: $2.0 \pm 0.2\text{mm}$
- 3: T3: $3.0 \text{ mm} \pm 0.2$
- 4: F1: FORCE $55 \pm 7\text{g}$
- 5: CLICK FORCE: $45 \sim 55\%$
- 6: F3: RETURN FORCE: $\geq 18\text{g}$

- Key Number
- 105 Germany Layout

- Key Switch Life Test
- Impact-Center of the Keytop
- Operating Force: $100 \pm 20\text{gf}$
- Operating Travel: $3.0 \pm 0.2\text{mm}$
- Operating Frequency: 3 to 5 times/sec
- Operating Life: 10 Million Cycles

- Drop Test
- Package: K/B 20 pcs in carton
- Drop Height: 500 mm
- Drop Condition: one corner, three edges, all six sides of the carton
- The drop test with standard packing
- There shall be no physical or functional damage
- Vibration Test
- No-operating vibration test
- Package: K/B 20 pcs in carton
- Sweeping frequency: 10-55-10 HZ/5 minutes displacement amplitude 1.5mm
- Duration time: one hour for each of the three axes, 3 hours In total
- The vibration test with standard packing
- There shall be no physical or functional damage

- Storage Test at High Temp & High Humidity Condition
- Test Condition: No-Operating
- Test Temperature: $60^\circ\text{C} \pm 3^\circ\text{C}$
- Test Humidity: 90 ~ 95%RH
- Storage Period: 36 hours





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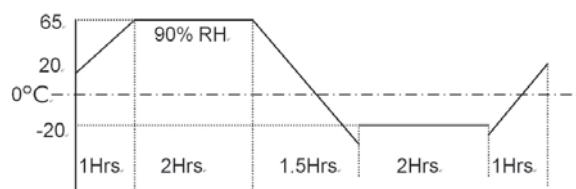
Illuminated Keyboard

- Storage Test at Low Temp Condition

- Test Condition: No-Operating
- Test Temperature: $-20^{\circ}\text{C} \pm 2^{\circ}\text{C}$
- Test Humidity: 0
- Storage period: 36 Hours

- Temperature & Humidity Cycle Test

- Test Condition: No-operating
- Test Temperature: $-20 \sim 65^{\circ}\text{C} \pm 2^{\circ}\text{C}$
- Test Humidity: $0 \sim 90\%\text{RH}$
- One Cycle time: 7.5hours
- Test Cycle: 5 cycles



- Keytop Print Wear Proof

- Model 1761 Rubber, with 500g force at the end

- Times/minute (1 time=1 return)

- Friction Frequency:
 - A: No UV coating: 200 times
 - B: With UV coating: 500 times

- Painting Wear Proof

- A: Alcoholproof Test (95% alcohol concentration)
- B: Rigidity Test: 1H

- Available Port - USB, U+P

- Supply Voltage: $5\text{VDC} \pm 5\%$
- Power Current: Max 300mA
- Power Consumption: 1.5 Watts Max.
- Light Principle: Led Lighting
- Led Life Cycle: More than 30,000 hours
- Available LED Color: All colors for choose

System Requirement:

- Windows 2000/ME/2000/XP/Vista/7

Package Contents:

- 1 x Illuminated Keyboard
- 1 x User Manual

Packaging Information:

- Packing Dimension: 475x180x30 mm
- Packing Weight: 0.93kg
- Carton Dimension: 487x315x205 mm
- Carton Q'ty: 10pcs
- Carton Weight: 9.8kg

