

# INSTRUCTIONS FOR USE : Mixed Foil/Epee Control Box



This document details the testing procedures for fencing equipment (Foil, Épée, and Body Wires) using a dual-LED tester.

## 1 Device Features

- **Power supply** : CR2032 lithium coin cell (3V).
- **Visual interface**: two LEDs (red light ●, green light ●)
- **Connections** :
  - Side 3-pin socket
  - Front socket for body wire testing (3-pin for Epee, 2-pin + alligator clip for Foil/Sabre)




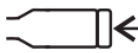





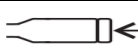


## 2 Weapon Testing Procedure

### 2.1 Setup

1. Insert the 3-pin body wire plug into the connector located **on the side of the box**.
2. Connect the weapon to the other end of the body wire.



### 2.2 Checks

EPEE				Without pressing the tip, both LEDs should be off
				When pressing the tip, the GREEN LED should light
FOIL				Without pressing the tip, the RED LED should light
				When pressing the tip, the RED LED should turn off

## 3 Body Wire Testing Procedure

To test body wires only, connect the 3-pin plug to the side socket of the box.

### 3.1 EPEE Body Wire

Connect the other 3-pin plug to the front socket.

**Result** : Both LEDs (● and ●) should light steadily.

**Action** : Gently flex the cables near the connectors to detect any internal wire breakage.

### 3.2 Foil/Sabre Body Wire (2-pin+ clip)

Connect the 2-pin plug and attach the alligator clip to the corresponding terminal on the tester along the box.

**Result** : Both LEDs (● and ●) should light steadily.

**Action** : Gently pull the wire near the alligator clip to check the strength of the solder joint.



## 4 Maintenance Recommendations

**⚠ IMPORTANT** : During each test, gently flex and stretch the cables along their entire length, especially near the connectors.

- A flickering LED indicates a **poor connection** or a wire about to break.
- If the LEDs appear dim, replace the **CR2032** battery.