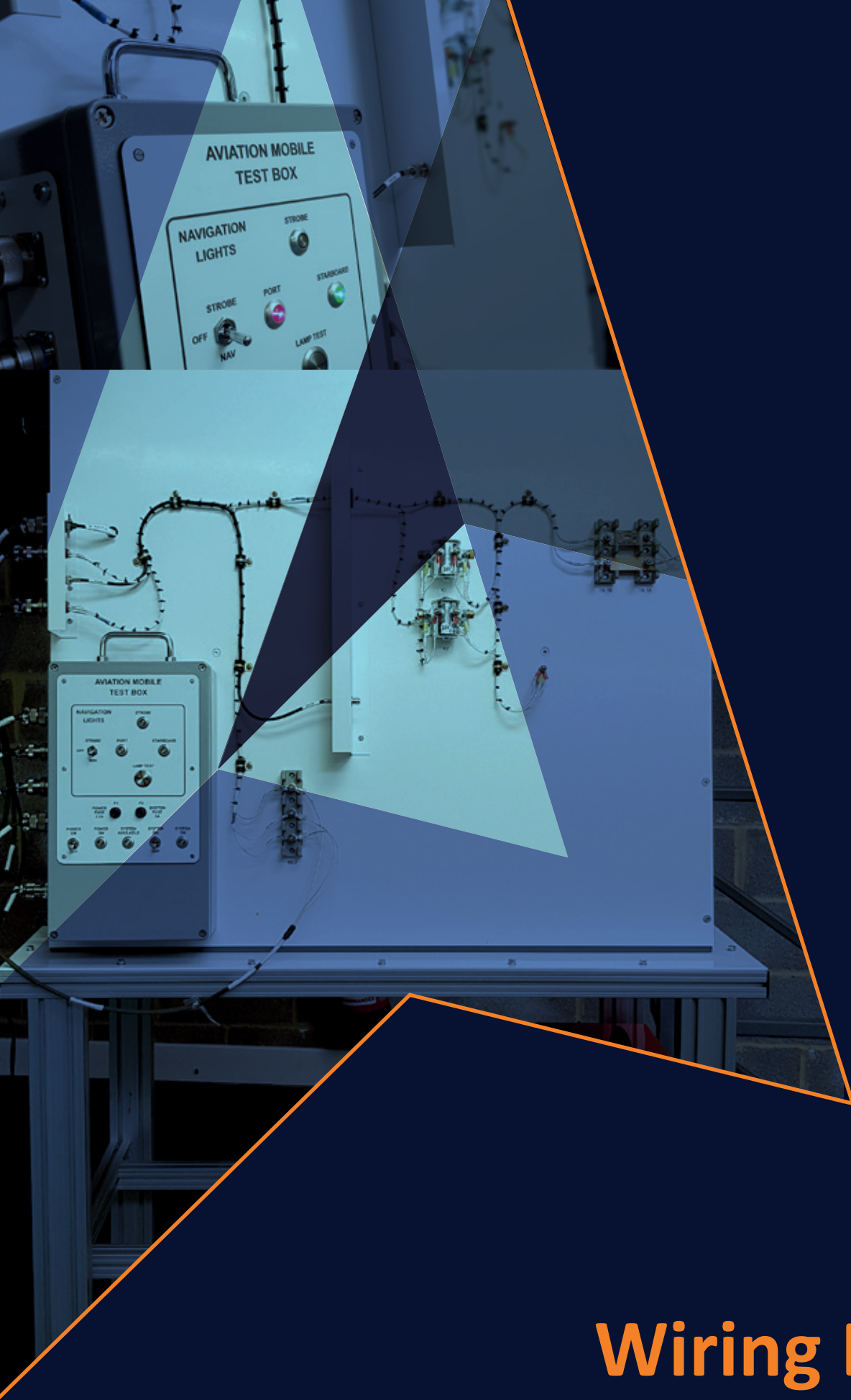




# Wiring Boards



# Introduction

The Wiring Board training system is a free-standing basic aviation electrical installation principles trainer.

The trainer enables Students to undertake a range of cable harness manufacturing and testing practices. Students gain experience in the use of electrical test equipment by testing of cable harnesses and fault diagnosis.



[www.pennantplc.com](http://www.pennantplc.com)  
Contact: [sales@pennantplc.com](mailto:sales@pennantplc.com)



# Key Features

- Incorporates a range of cable manufacture, installation and termination methods
- Practical experience of aviation cable harness numbering systems
- Practical identification and investigation of defects on DC circuits
- Practical experience in a range of tooling and test equipment
- Integral storage
- Twin mobile Student Wiring Board Stations
- Independent Test Box (one supplied per facility)

# Aviation Regulations Alignment

| EASA/EMAR PT 66                                                                              | FAA                                                                        | CITY & GUILDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MEA UNITS                                                                                                                                         |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Module 6.11</b> Electrical cables and connectors<br><b>Module 7</b> Maintenance practices | <b>14 CFR Part 147:</b> Appendix C Table 2: K. Aircraft Electrical Systems | <b>2675-01</b> City & Guilds Level 2 Certificate in Aircraft Maintenance (Military Aircraft) Unit 110 (8)<br><br><b>2675-03</b> City & Guilds Level 3 Diploma in Aircraft Maintenance (Civil & Military Aircraft Electrical and Avionics) Units 201 (4), 208 (1,6,7)<br><br><b>2675-04</b> Level 3 Diploma On-Aircraft Maintenance Category A Unit 004 (4)<br><br><b>2675-05</b> City & Guilds Level 3 Diploma in Aircraft Maintenance (Civil Aircraft Mechanical) Unit 201 (4)<br><br><b>4608-60</b> Level 3 Diploma in Aerospace Manufacturing (Military Development Competence) Units 356 357, 365, 366 | <b>MEA239</b> Fabricate aircraft electrical looms & harnesses<br><br><b>MEA246</b> Fabricate and/or repair aircraft electrical hardware or parts. |

# Physical Specifications

| PARTICULAR | VALUE | UNIT |
|------------|-------|------|
| Length     | 1115  | mm   |
| Width      | 785   | mm   |
| Height     | 1865  | mm   |
| Weight     | 103   | Kg   |





# Supplied Documentation

|                                         |
|-----------------------------------------|
| Operational & Maintenance Manual        |
| Student Manual (Technical Publications) |

# Supported Training

| PRACTICAL TASKS                            |
|--------------------------------------------|
| 1. Assembly of a Lighting wiring system    |
| 2. Assembly of a power distribution system |
| 3. Resistance Checks on a lighting system  |
| 4. Visual Examination of wiring            |
| 5. Troubleshooting                         |
| 6. Assembly of a Radio Frequency Cable     |
| 7. Troubleshooting a Radio Frequency Cable |

# Optional Accessories

|                 |
|-----------------|
| Operation Tools |
|-----------------|

# Ordering Information

|                 |                       |
|-----------------|-----------------------|
| 98700-000-0001A | Aircraft Wiring Board |
| 98700-3020      | Consumables Kit       |
| 98700-3021      | Spares Kit            |



