



# 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.



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# 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 <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)  <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)  <b>2675-04</b> Level 3 Diploma On-Aircraft Maintenance Category A Unit 004 (4)  <b>2675-05</b> City & Guilds Level 3 Diploma in Aircraft Maintenance (Civil Aircraft Mechanical) Unit 201 (4)  <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  <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

