

## **Service Procedure for Theatre Lanterns**

Our service procedure and PAT testing for conventional tungsten theatre lanterns is one of the most comprehensive in the industry. We do not offer just a PAT test which is only valid for that moment in time. Our service will pre-empt future problems, prolong the life, efficiency, reliability and safety of your equipment, which is a necessity when working at height in a high risk environment.

### ***Overview***

This service includes a thorough visual inspection of the lantern inside and out checking both the mechanical assembly and electrical wiring. The lantern is then cleaned with special attention to the optics. A full PAT test follows with functional checking of adjustable parts of the lantern. The asset list and results are electronically completed.

### ***Procedure***

Thorough visual inspection of equipment inside and out  
Visual and operational check of mechanical support methods  
Operational check and adjustment of moving components  
Visual and touch check of flexible cable  
Internal inspection of plug  
Internal visual inspection of accessible wiring, terminations and bulb holders  
External and internal cleaning of theatre lantern  
Clean of optics  
Full electrical PAT test  
Operational setup of optics if required.

### ***Legalities***

All the PAT test results with any additional comments are electronically completed.  
This information will also form part of your equipment asset lists.  
This will help you comply with your responsibility under the electricity at work regulations to protect your employees, students and the public from electrical dangers.

### ***Extras***

We carry a range of spares including a selection of replacement lamps, connectors, mechanical parts and safety bonds. Minor repairs such as replacing a lamp or fitting a replacement lock off are undertaken during the service at no extra labour cost. We only charge you for the replacement parts which are listed on our price list. This avoids unnecessary return visits or delivery charges at a later date.  
However where equipment requires more serious attention such as replacement lamp holders or wiring sets the units can be taken back to the workshop for a full repair following an agreed cost.

### ***Updates***

The new fourth edition of the IET Code of Practice for In Service Inspection and Testing of Electrical Equipment has now been released. It emphasises the need for maintenance regimes to be based on a more focused and robust approach to assessing the risks posed by appliances. In other words there is not now a fixed interval for PAT testing and the testing interval should be reviewed by the duty holder on a regular basis after assessing the risks associated with the use of the appliance. We will actively assist the duty holder to assess the risks and help in the preparation of a site specific risk assessment.

We also undertake service and PAT testing of electronic lighting appliances, audio and video equipment with your venue.