

## Service Centre

An important part of owning instruments that carry out electrical safety testing is the need for them to operate consistently, efficiently and effectively.

### Calibration

Our in house calibration service offers the following:

- FAST Turn around
- FREE Collection and delivery from anywhere in the UK
- FREE Battery and fuse changes where needed
- FREE Minor remedial work
- FREE Lead checks
- FREE Machine clean
- FREE Before and after test figures

Any small remedial works that may be required whilst your instrument is in for calibration such as remaking a cable end or firmware update will be carried out free of charge.

### Repairs

We can carry out repairs on your instruments (if they are under warranty you should be able to obtain a free of charge repair from the manufacturer).



The fault is investigated and a quotation will be provided. We will not commence works without your authorisation.

Please call our Service Department for prices on any of the above or to arrange a collection.

## Equipment Sales

In addition to our Service Centre we also stock most major manufacturers' instruments and ancillary equipment including software. We offer a variety of kits for immediate start up as well as standalone instruments to add into your existing framework.

We also offer training onsite or at our training facility in Welwyn Garden City which includes a free of charge system set up.



**For a quotation for any of our services or to discuss any of your requirements in further detail, please contact us via telephone or visit our website.**

*Celebrating 25 Years of Service*

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# PH GOES GREEN

DESIGN ~ SUPPLY ~ INSTALLATION ~ MAINTENANCE

## Low Energy Lighting & Systems

There are many advantages to installing low energy lighting within your workplace and we are pleased to announce that PH can offer the complete solution.

Not only does it use less power consumption, thus helping the environment, but it also saves you money on your electricity bill.

Low energy bulbs are particularly effective as they last a lot longer than traditional light bulbs. This means that as well as costing less to run, they also don't need replacing as often.

Another advantage of low energy bulbs is the lack of heat that they produce. Traditional bulbs are often hot to touch, but low energy lamps remain cool even after hours of use.

Modern low energy lighting is now available in many attractive designs which can instantly transform your current installation. Fittings can be installed on ceilings, walls and even outdoors.



From alternative lamp replacements to new installations... We're here to help!

According to the Carbon Trust, UK companies and the public sector have the potential to cut annual energy bills by up to £700m a year by switching to Low Energy Lighting technologies.

We are pleased to offer the following services:

- Free Design Service subject to T&Cs
- Full Installation
- Contract Maintenance
- Replacement Stock Management



For more information and to discuss your project requirements, please contact our Installation team on:

**01707 336969**

DOMESTIC ~ COMMERCIAL ~ INDUSTRIAL

## Fixed Wire Inspection & Test

### What is Fixed Wire Testing?

Sometimes known as Periodic Inspection, or Periodic Inspection & Testing, this process covers the testing of all the fixed wiring systems within your building, such as mains panels, distribution boards, socket outlets and others. It involves a series of stringent visual inspections followed by electrical tests on all systems within a building. It highlights any faults or potential problems, allowing you to plan any necessary maintenance works. Periodic Testing will involve having to disconnect electrical circuits within the building, so careful planning and management is a necessity to minimise business disruption.

**Due to the complex nature of Fixed Wire Testing, it is advisable to arrange a site survey prior to quotation.**

### Recommended Intervals Between Periodic Inspections

- ◆ Commercial installations — 5 years
- ◆ Industrial installations — 3 years
- ◆ Buildings open to the public — 1 year
- ◆ External installations — 3 years
- ◆ Domestic properties
  - Private — 1-5 years (depending on age of installation)
  - Letting — Maximum of 12 months or at change of tenancy, whichever is soonest



## Portable Appliance Testing

### What is Portable Appliance Testing?

Portable Appliance Testing or PAT testing is the process where an item of mains powered electrical equipment is routinely checked for safety. This is now based on an internal risk assessment and can be broken down into three main elements.

- ◆ User checks
- ◆ Formal visual inspections
- ◆ Combined inspection & test



#### 1. User Checks

A user check is a process where the end-user checks the electrical equipment on a regular basis. The idea behind it is that obvious safety concerns, such as a cracked plug, frayed cable or signs of burning can be spotted before use by staff. This information can be raised to a supervisor who can take appropriate action, either by repair or disposal. Different categories of appliance have different recommended intervals between user checks and time lengths also vary depending on the environment in which it is used.

#### 2. Formal Visual Inspections

Formal visual inspections are carried out by a PAT test engineer, or other equally competent person. The cable, plug (including the fuse and internal wiring) and the appliance itself are inspected for any errors, signs of damage or wear and tear that may render the appliance unsafe. Over 95% of all PAT testing failures will be found at the visual inspection stage.

#### 3. Combined Inspection & Test

The combined inspection and PAT test is exactly that. First a PAT test engineer will visually inspect the appliance, before performing a series of electrical tests on the appliance using an annually calibrated PAT tester.

**For more information on risk assessments and recommended frequency of testing for your premises, please contact us.**

## Emergency Lighting Testing

### What is an Emergency Lighting system?

Emergency lighting is designed for situations when the main power supply is cut and any normal illuminations fail. The loss of mains electric could be from a power cut or a more serious emergency, such as a fire. This often leads to sudden darkness within the area and possible dangers to the occupants.

Emergency lighting is designed to be fully automated and it will give illumination of a sufficiently high level to allow occupants to exit the building in a safe manner.



BS-5266-1: 2011 is the British Standard which provides the system designer with the minimum standard to work to and encompasses buildings such as hotels, hospitals, schools, offices, shops, multi-story dwellings and more. Although BS5266-1: 2011 recommend the types and durations of emergency light systems to be used, it should be noted that these are the minimum safe standards and that a higher standard may be required for a particular installation of specialist building.

**Plowright Hinton can provide a fully managed solution to your emergency lighting needs, from design and installation through to regular inspection and testing of your system.**

## Remedial Works

In addition to any test and inspection that is carried out, we are pleased to offer a full Remedial Solution.

Following all Fixed Wiring Test & Inspection that is carried out by ourselves, our team will issue a competitive quotation to rectify any items that may be mentioned within the report.



Should you have an existing report that still requires action, we would be more than happy to offer our solution quotation. **Please contact our Fixed Wiring team for further information or assistance.**

## Contract & General Maintenance

We have a team of electricians that carry out general maintenance and installation works.

Whether you would like regular contracted visits to maintain your existing installation or simply have the odd electrical requirement that needs a prompt and efficient service, our Installation team is here to help



## Installation

PH offer a full installation service for all your electrical and lighting needs.

**Please call our Sales Team to discuss any of your requirements.**