

## Frequency of testing:

The relevant requirement of the **Electricity at Work Regulations** is that equipment shall be maintained so as to prevent danger. Deciding on the frequency of maintenance is a matter of judgement for the duty holder and should be based on the assessment of risk. The inspections should be carried out at regular intervals. The period between inspections can vary considerably depending on the type of equipment, the conditions of use and on the environment.

The **Institute of Electrical Engineers** makes certain recommendations in their **Code of Practice** for in-service inspection and testing of electrical equipment, regarding **Initial Frequency of Inspection and Testing of Equipment**. The intervals between tests should be kept under review, particularly until patterns of failure/damage, if any, are determined. After the first few inspections/tests consideration can be given to either increasing the intervals or, if necessary, reducing them.



One of Epsilon's new hand-held portable computers

## EPSILON TEST SERVICES

Recommendations for frequency of inspection and testing of electrical portable appliances

### INDUSTRIAL (including commercial kitchens)

| Type of Equipment                           | Year 1    | Year 2 | Year 3    | Year 4 |
|---|-----------|--------|-----------|--------|
| <b>IT EQUIPMENT</b>                         |           |        |           |        |
| Class 1 IT equipment                        | full test | none   | full test | none   |
| Class 2 IT equipment (detachable lead)      | full test | none   | full test | none   |
| Class 2 IT equipment (fixed lead)           | full test | none   | full test | none   |
| Class 1 Mains leads (IEC) into IT equipment | full test | none   | full test | none   |
| Class 2 Mains leads into IT equipment       | full test | none   | full test | none   |
| Extension leads powering IT equipment       | full test | none   | full test | none   |
| Desk supplies powering IT equipment         | full test | none   | full test | none   |
| Phone/battery chargers AC adapters          | full test | none   | full test | none   |

| <b>NON - IT EQUIPMENT</b>                  |  |             |           |             |
|--|--|-------------|-----------|-------------|
| Class 1 Mains leads into non -IT equipment | to be tested according to the appliance that it supplies (see below) |             |           |             |
| Class 2 Mains leads into non -IT equipment | to be tested according to the appliance that it supplies (see below) |             |           |             |
| Extension leads powering non -IT equipment | to be tested according to the appliance that it supplies (see below) |             |           |             |
| Photocopiers                               | full test  | visual only | full test | visual only |
| Fax machines                               | full test  | visual only | full test | visual only |
| Shredders                                  | full test  | visual only | full test | visual only |
| TV's,VCR's, etc.                           | full test  | visual only | full test | visual only |

| <b>EVERY SIX MONTHS</b> |           |           |           |           |
|-------------------------|-----------|-----------|-----------|-----------|
| Fans                    | full test | full test | full test | full test |
| Heaters                 | full test | full test | full test | full test |
| Kitchen equipment       | full test | full test | full test | full test |
| Cleaning equipment      | full test | full test | full test | full test |
| Hand held tools         | full test | full test | full test | full test |
| Maintenance workshops   | full test | full test | full test | full test |
| Production areas        | full test | full test | full test | full test |
| Warehouse areas         | full test | full test | full test | full test |

**NOTE:** Any appliances that, on the instruction of the site contact, cannot be switched off will be visually inspected only.