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FOREWORD

The use of electrical apparatus and machinery in every sphere of industrial and domestic life makes their safe and continuous operation a matter of vital importance.

Breakdowns mean loss of output and inconvenience: and may cause injury to individuals. The avoidance of such breakdowns interests everyone using electricity.

The safety of electrical installations and apparatus depends chiefly on the condition of the insulation and this pocket book explains how this condition can be ascertained by simple tests.

Systematic testing of insulation, which can be carried out with the help of a "Megger" Insulation Tester, shows whether this insulation is healthy and helps those responsible to maintain it in a satisfactory condition and so avoid interruptions or breakdowns.

The pocket book also gives simple instructions for carrying out continuity tests to ensure that apparatus is properly bonded to earth. The results of all tests should be recorded in a log book. This permanent record is valuable to the maintenance engineer, for it enables him to prove that the plant under his charge is being maintained in a safe condition, or to indicate if repairs are necessary.