Electronic Component Testing

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Preface

This book shows the student how to test the working parameters of electronic components. It is, of course, appreciated that manufacturers carry out exhaustive testing of their products and in so doing employ a range of sophisticated equipment which is not generally available to the component user; the contributors to this book therefore confine themselves to examining component evaluation exercises which are within the powers of the component user and should provide him with sensible and accurate data.

Chapters 1, 2 and 3 deal with conventional electronic components—resistors, capacitors and coils and transformers—and their treatment centres mainly upon these devices being used within the normal frequency ranges. The following three chapters deal with three main classes of semiconductor devices before the book moves on to integrated circuitry, which has been divided into analogue and digital operations. Chapters on gridded valves and relays and switches complete the component coverage.

A companion volume in the same format, *Electronic Measurements*, shows how electrical values may be accurately measured.

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