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Electro Scientific Industries

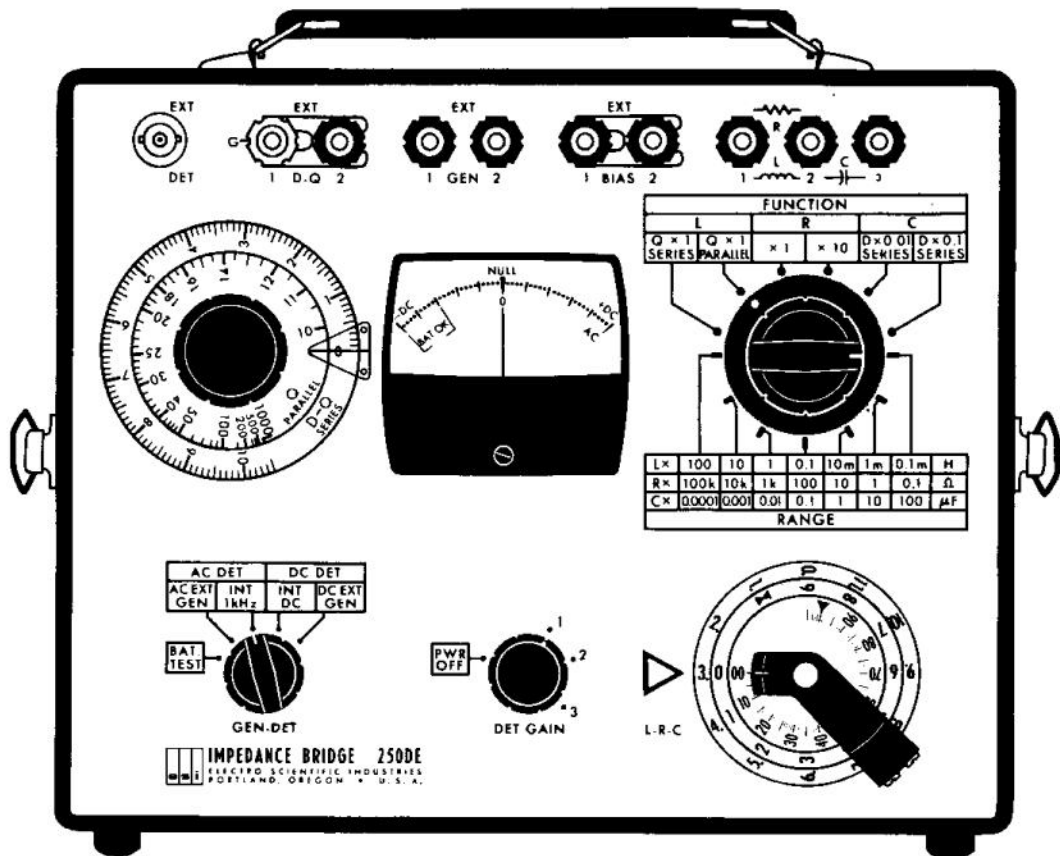
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**BRIDGES
AND
ACCESSORIES**

APRIL 1967
REPLACES JUNE 1966

MODEL
250DE

Instruction Manual
**UNIVERSAL
IMPEDANCE BRIDGE**



SERIAL NUMBER: _____
PART NUMBER: 13202

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 PORTAMETRIC® Portable Measuring Instrument
 PVB® Potentiometric Voltmeter Bridge

Application for registration has been filed for the following:

DEKATRAN Decade Transformer

SECTION I INTRODUCTION

1.1 DESCRIPTION

The esi[®] Model 250DE Impedance Bridge is an instrument that measures resistance, inductance, capacitance, and the dissipation factor (D) and the storage factor (Q) of inductors and capacitors.

The instrument is battery operated and completely portable. An internal generator supplies ac and dc, and an internal solid-state ac-dc detector indicates bridge balance.

Figure 1-1 is a simplified schematic diagram of the instrument in each of the four modes of operation: resistance, capacitance, and series and parallel inductance.

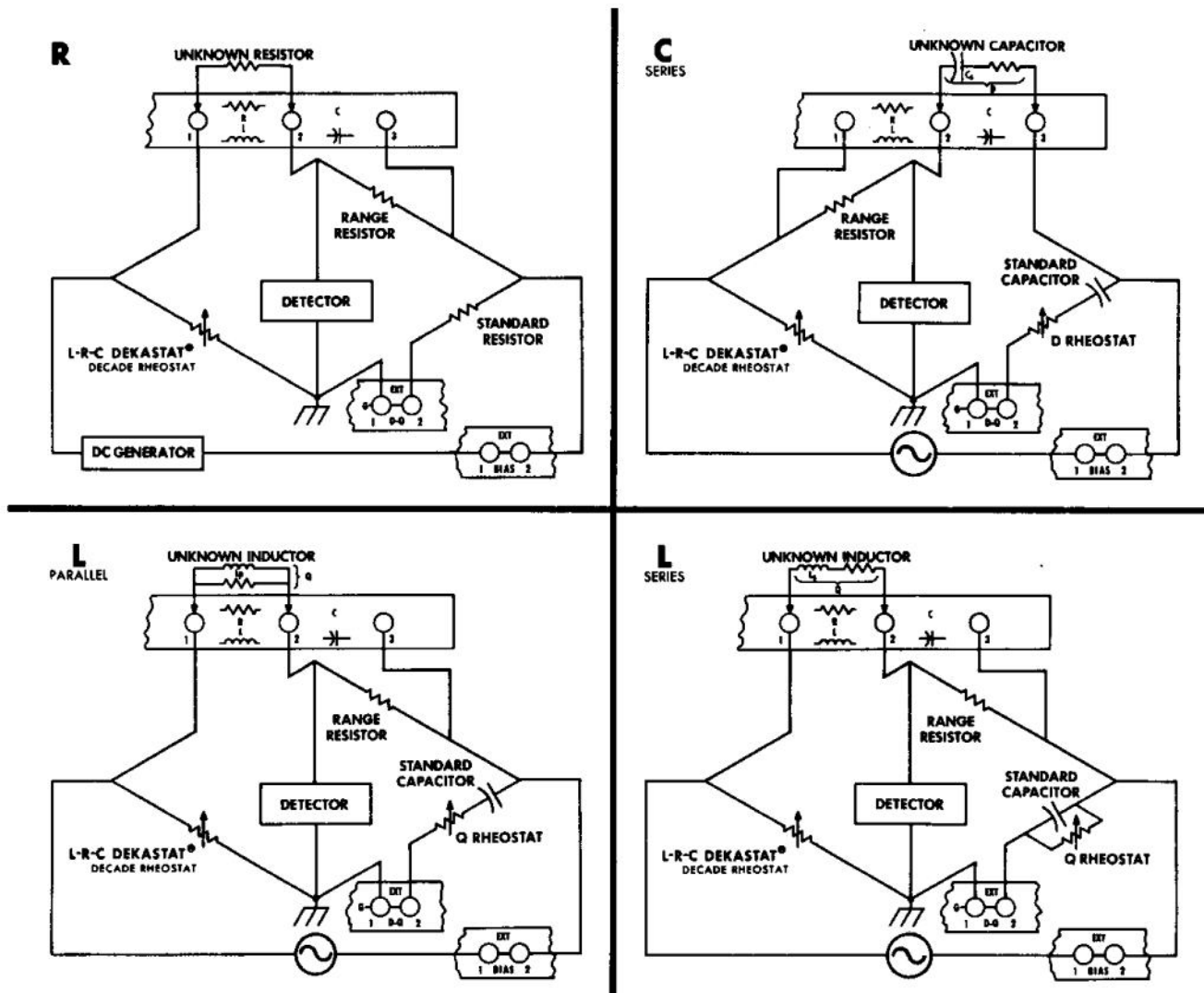


Figure 1-1. Simplified Schematic Diagrams

