

**ORGANIC
ELECTRONIC
SPECTRAL DATA**

Organic Electronic Spectral Data Volume 1

Sampson Low



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Light Absorption of Organic Colorants J. Fabian,H. Hartmann,2013-11-11 Although studies on synthetic dyes have been performed for more than 100 years their detailed elucidation requires further extensive research The discovery of novel high polymers the necessity of supplying a whole range of shades and increasing requirements for dyestuffs of high fastness properties give rise to a permanent search for new dyes Extensive investigations on dyes were also occasioned by various applications in the field of spectral sensitization and of staining of biological specimens Another more recent development concerns the lasing properties of some organic dyes Most of the progress however was only achieved by time consuming purely empirical approaches and theoretical understanding of the dye properties is only at its very beginnings The color is the sine qua non of every dye For this reason organic chemists and color chemists have looked for relations between the color and constitution of dye molecules for a long time This knowledge as a whole is known as theory of color The classic theory of color was established about 100 years ago by Witt and was significantly extended 50 years later by W Konig

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 circuits are also discussed commutation circuits and series and parallel operation are presented single and three phase
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 kit consists 8 scrs two inductor two commutation capacitor four diodes firing circuit and load in form of wire wound resistor
 the power source is inbuilt operates at 220 vac line

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