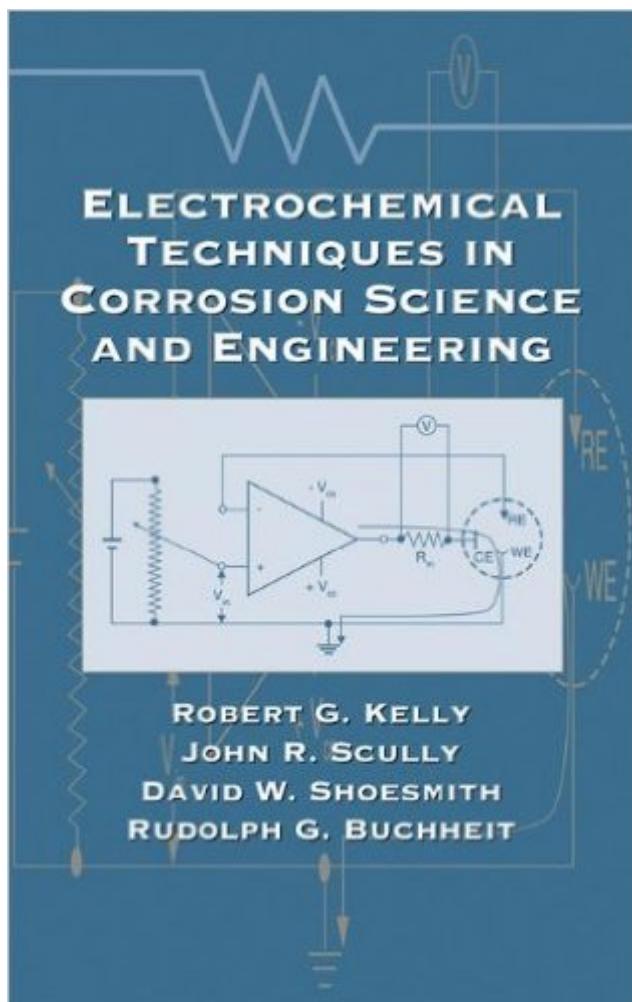


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Synopsis

This book describes the origin, use, and limitations of electrochemical phase diagrams, testing schemes for active, passive, and localized corrosion, the development and electrochemical characterization of passivity, and methods in process alteration, failure prediction, and materials selection. It offers useful guidelines for assessing the efficacy of corrosion inhibitors and coatings for metals and alloys, developing effective corrosion prediction models, calculating the corrosion rates of various materials, determining the resistance of alloys to pitting and crevice corrosion, and considering current and potential distribution effects on corrosion.

Book Information

Series: Corrosion Technology (Book 18)

Hardcover: 440 pages

Publisher: CRC Press; 1 edition (September 13, 2002)

Language: English

ISBN-10: 0824799178

ISBN-13: 978-0824799175

Product Dimensions: 6.1 x 1 x 9.2 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

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