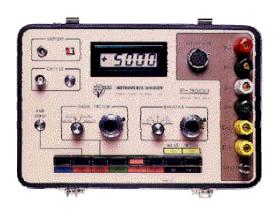
King Jahd University of Petroleum and Minerals

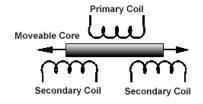
UNIVERSITY DIPLOMA PROGRAM ELECTRONIC EQUIPMENT MAINTENANCE

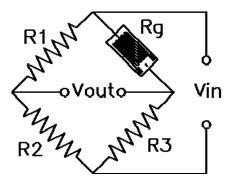


EET - 027 ELECTRONICS INSTRUMENTATION

LAB MANUAL

Term-062





Lab Instructor

MUHAMMAD AJMAL KHAN

Lecturer

Electrical Engineering Department

TABLE OF CONTENTS

Experiment # 1: Study and Identification of Various Sensors

Experiment # 2: Verify Ohm's Law and Balanced Bridge Circuit

Experiment # 3: Wheatstone Bridge Circuit and Measurement of Resistance using

Wheatstone Bridge equipment

Experiment # 4: Material Behavior

Experiment # 5: Thermocouple Voltage Measurement

Experiment # 6: Strain Gauge Application and Measurement of Unknown Load

Experiment # 7: Strain Gauge Measurement using Strain Indicator

Experiment # 8: Strain Gauge Measurement by Applying Displacement using Strain Indicator

Experiment # 9: Linear Variable Differential Transformer Measurements

Experiment # 10: X-Y Recorder

Experiment # 11: Event Counting using Slotted Opto Switch

Experiment # 12: PC-Based Data Logging