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Chapter 1: Introduction to the 53MC5000 Process Control Station.

Chapter 2: Hardware Familiarization Lab – Explains how to take controller apart to look at the different hardware parts.

Chapter 3: Front-face Configuration using FCS. Explains how to load simple control strategies from the front of the instrument using the keys.

Chapter 4: This is an extension of the front face configuration. Explains how to override the settings of the loaded single loop control strategy. Explains how to change the span and range, alarm settings etc.

Chapter 5: Explains how to implement a math function using FCS. The example given in the lab is for adding a math function to a standard control strategy. The lab also covers custom display for showing the results of the math.

Chapter 6: Introduction to Micro-Tools and Micro-DCI Communication Services: Set up the software in the computer, configure the network and establish communication with the controller

Chapter 7: Configuration using FCS from Micro-Tools. Loading of a two-loop control strategy and configuration of a totalizer and a display for the totalizer.

Chapter 8: Introduction to F-CIM with a simple example F-CIM Configuration using Micro-Tools.

Chapter 9: Introduction to F-TRAN Programming. The lab also covers one Control F-TRAN and one Display F-TRAN program examples.