

Chapter 1

Introduction

The Protuner[™] 32 is a suite of programs designed to test and optimize the operation of regulatory control systems. Real time dynamic test data on operating control systems can be collected in real time utilizing OPC, DDE, or the Protuner[™] 1600PC remote data acquisition modules. The dynamic test results can then be analyzed using the powerful routines to troubleshoot and optimally tune the control system being tested. This user's guide is not intended to detail the control system analysis test procedure, nor the procedures for testing complex control strategies, but rather to provide detailed operation of the software. Each chapter covers the screen elements first, followed by the Menu Bar functions.

Before using the Protuner[™] it is recommended that you also review the accompanying application manual, which details the specific test and analysis procedures required to optimize individual control loops, unit operations, and complete control systems.

System Requirements

This version of the Protuner[™] 32 is designed for 32-bit operating systems running Windows 95, 98, NT 4.0, and 2000.

Minimum System Requirements

- Pentium processor or faster
- 16 MB RAM or more (32 or more recommended)
- 32-bit operating system such as Microsoft Windows 95, 98, NT 4.0, NT 2000 (or later)
- Microsoft Excel 97 or 2000
- 8 MB free hard disk space for full installation
- Network card if using Net DDE or Net OPC data acquisition
- High speed serial port if using Protuner[™] 1600PC data acquisition modules