

INDUSTRIAL COMMUNICATION INTERFACES & PROTOCOLS TRAINER KIT

MODEL: MCTR11-1

FEATURES

- Robust and modular construction
- Easy and versatile operation
- Self contained system with complete instrumentation
- Demonstrates various communication protocol
- Prepares trainees for demands of industry

DESCRIPTION

This trainer is designed for students to get familiarize with various communication protocols used in industry. Various converters and its configuration files are supplied. Optionally, an eLearning software of various communication protocol can be made available. This eLearning module can be accessed on cloud or can be procured by paying one-time fee.

INSTRUCTION MANUAL

Self explanatory operating manuals are provided with each system. Detailed theory as well as practical exercises are also included in the manual.

EXPERIMENTAL CAPABILITIES

- Study of USB to Serial communication
- Study of Serial to Ethernet communication
- Study of RS485 to RS232 communication
- Study of media conversion- Ethernet to Fibre Optic
- Study of media conversion- Serial to Fibre Optic
- Study of Modbus RTU to Modbus TCP/IP communication
- Study of GPRS communication
- Study of Serial to Wireless communication

COMPONENTS

1. USB to Serial converter
2. Serial to Ethernet converter
3. RS485 to RS232 converter
4. Media converter: Ethernet to Fibre Optic
5. Media converter: Serial to Fibre Optic
6. Modbus RTU to Modbus TCP/IP converter
7. GPRS serial router
8. Serial to Wireless LAN converter
9. Set of cable
10. Structure and panel

OPTIONAL

1. Additional components to study BMS Lonworks communication
2. Computer with Windows operating system
3. eLearning software

SERVICES REQUIRED

1. Electric supply

NiYo Engineers

Unit 1B, Devgiri Industrial Estate, S. No. 17/1B Plot No. 14, Kothrud, Pune 411 029 INDIA
Tel-91 20 2546 5004, 2546 7296, Telefax - 91 20 2546 8051
e-mail- sales@niyoindia.com Web: www.niyoindia.com



1. Since research and development is an on-going activity, the specifications mentioned herein are subject to change without notice
2. Photographs are indicative only.