

**PLC TRAINER**

Model Number : GOTT-PLC-370

**DESCRIPTION**

This trainer is a complete training system, introducing the student to the operation, programming and troubleshooting of modern industrial programmable logic controllers.

A complete curriculum is provided incorporating many learning activities related to basic sequence, circuit flow, ladder logic programming and troubleshooting. Many activities reflect actual industrial applications.

An optional hand-held programming pendant, input/output devices and a wiring kit are provided, making the device complete and ready for use without the need for additional accessories or a link to PC base programming, monitoring and control.

This product, together with its associated student manual & programming manual, creates a complete introductory course in PLCs, for industrial training applications as well as in the educational learning.

A PLC (Programmable Logic Controller) is effectively a computer with I/O. The I/O (input/output modules) is a method of getting signals from the outside world into the computer and back again. The I/O is generally robust (so they can cope with noise and spikes). Also available are intelligent I/O cards (which effectively have a computer on the I/O card) for Intermediate Model and HMI devices (touch screen) for Advance Model.

**STANDARD COMPONENT SPECIFICATION:****PLC MAIN UNIT**

ITEM	DESCRIPTION	UNITS
Controller	PLC main unit	1 ea
Input	24V DC Input	16 ea
Output	Relay Contact Output	16 ea
Programming console (optional)	Full programming features on back lit Two line LCD display Keypad Hand-held programmer	1 ea
Cable	Program download cable	1 ea
Memory	2K EEPROM memory	1 ea
Power Supply	24V DC 2.1A (short circuit protection)	1 ea

**CONTROL PANEL**

ITEM	DESCRIPTION	UNITS
Input Terminals	4mm $\phi$ Banana Jack	16 ea
Output Terminals	4mm $\phi$ Banana Jack	16 ea
Input Switches	Toggle Switch	16 ea
Simulation Indicators	LED	32 ea
DC Supply Terminal	24V DC +/-	2 ea

**ACCESSORIES**

- Connecting cables for drive unit to switches, LED, relays & other peripherals
- Connection leads
- Experiment manual
- Soft copy manual for easy print-out

**EXPERIMENT TOPICS:**

- Fundamentals of Logic
- PC communication
- Developing Ladder Logic Programs
- Programming Timers
- Structure of Control Systems
- Sequencer Programs
- Master Control & Zone Control Instructions
- Programming Counters
- Jump Instructions & Sub-routines
- Combined Counter & Timer Functions
- PLC Installation Practices.

**OPTIONAL ITEM**

- Teaching Pendant
- Omron CX Programmer

**Manuals:**

- (1) All manuals are written in English
- (2) Model Answer
- (3) Teaching Manuals

**General Terms:**

- (1) Accessories will be provided where applicable.
- (2) Manuals & Training will be provided where applicable.
- (3) Designs & Specifications are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product.

**Warranty:**

2 Years

**ORDERING INFORMATION :**

ITEM	MODEL NUMBER	CODE
PLC TRAINER	GOTT-PLC-370	785-551
TEACHING PENDANT	GOTT-PLC-PENDANT	787-646
OMRON CX PROGRAMMER	GOTT-PLC-CX-1	787-600

\* Proposed design only, subject to changes without any notice.