

Mechatronics HMI Terminal, Siemens S7-1500 | Multimedia Courseware

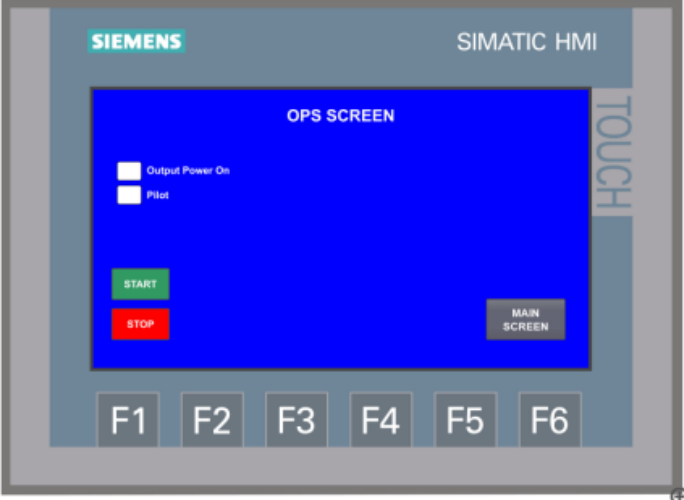
Basic HMI Panel Operation - WX25052-AA01XEN-E1

Objective 1: Describe the Function of an HMI Panel

HMI User Interaction

An HMI panel is a self-contained computer and display with a program stored in its memory. The program creates interactive images of control devices on its screen.

The user controls the process by interacting with images displayed on the HMI Panel that represent input devices such as pushbutton switches and input fields.



The screenshot shows a Siemens SIMATIC HMI panel. The top of the panel displays 'SIEMENS' and 'SIMATIC HMI'. The main screen is titled 'OPS SCREEN' and features a 'START' button (green) and a 'STOP' button (red). There are also two checkboxes: 'Output Power On' and 'Pilot'. A 'MAIN SCREEN' button is located in the bottom right corner of the screen. Below the main screen, there are six function keys labeled 'F1' through 'F6'. The word 'TOUCH' is written vertically on the right side of the panel. The bottom of the panel has a navigation bar with a speaker icon, a menu icon, 'Page 3 of 70', a refresh icon, and navigation arrows.

Multimedia Courseware - Mechatronics HMI Terminal, Siemens S7-1500: M25052

This course covers basic HMI panel operation. Important topics include how to connect an HMI panel, how to configure an HMI panel, how to download a project to an HMI panel, types of input and output objects, and how to operate a PLC project using an HMI panel.

Teach Hands-On Skills

Comprehensive Mechatronics Interactive Multimedia Curriculum that's Second-to-None

Amatrol's HMI Terminal course curriculum offering is an impressive presentation of comprehensive theoretical knowledge. This curriculum begins with an introduction to HMI Panel Configuration and quickly builds on concepts like connection and configuration. Examples of topics from the curriculum include: Input and Output Modules, and How to Operate a PLC Project Using an HMI Panel. This learning system's curriculum is presented in a stunning interactive multimedia format that features 3D animations, graphics, text with audio

voice-overs, and much more!

Multimedia

HMI Training for Real-World Applications

Flexible and feature-rich, HMI panels allow machine operators, maintenance technicians, and supervisory personnel to control and monitor the status of machines and processes on automated lines. As technology has advanced, HMI panels have replaced traditional hard-wired operator inputs and outputs in virtually all Mechatronics control and/or monitoring applications in most industries around the world. This HMI terminal training system represents Amatrol's ongoing commitment to bridging the skills gap with technical training tools backed by robust curriculum materials that focus on the hands-on skills required to thrive in today's advanced manufacturing environments.

Additional Info

Additional Requirements

- Computer: [See requirements](#)

Address

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