

Mitsubishi GT2710-VTWD Manual

Brand	Mitsubishi
Product Series	Mitsubishi Pepperl+Fuchs Omron
Product Type	-

Description

The GT2710-VTWD by Mitsubishi is a robust graphical operator interface designed to enhance interaction with automation systems. Its diagonal screen size of 10.4 inches and display resolution of VGA at 640x480 pixels provide clear visual feedback.

Technical specifications for GT2710-VTWD

Manufacturer Mitsubishi

Product Line GOT2000

Part Number GT2710-VTWD

Weight 20.00 lbs (9.07 kg)

Product Category High-performance graphical operator interface (HMI)

Mass Approximately 1.7 kilograms

Electrical Isolation Minimum 10 MΩ at 500 V DC

Noise Resistance 500 Vp-p, 1 μs pulse width, frequency range 25–60 Hz

Working Temperature Range 0°C to 50°C

Power Consumption 15 W (main unit)

Input Voltage 24 V DC (+25% to -20%)

Screen Size 10.4-inch diagonal

Display Technology Color TFT LCD

Pixel Resolution VGA: 640 by 480 pixels

Color Palette 65,536 shades

Touch Technology Analog resistive touch

Backlight Details LED, lifespan approximately 60,000 hours (ambient 25°C, 50% brightness)

Storage and Operational Memory 57 MB (ROM), 128 MB (RAM)

Connectivity Interfaces RS-232, RS-422/485, Ethernet, USB (host and device), SD card slot

Description

Mitsubishi's GT2710-VTWD model is a high-performance graphical operator interface (HMI) suitable for various industrial applications. Weighing about 1.7 kilograms, this unit combines functionality with efficiency. The 10.4-inch diagonal screen employs color TFT LCD technology, providing a VGA resolution of 640 by 480 pixels. Users benefit from a rich color palette capable of displaying up to 65,536 shades, ensuring clarity and detail in visual data representation.

The HMI is designed to withstand electrical interference, boasting an electrical isolation rating of a minimum of 10 MΩ at 500 V DC. It features noise resistance capabilities of 500 Vp-p, with a pulse width of 1 μs across a frequency range of 25 to 60 Hz, making it reliable in environments with potential electrical disturbances.

Operationally, this unit functions within a temperature spectrum of 0°C to 50°C while drawing a power consumption of 15 watts in its main unit. The GT2710-VTWD operates on a 24 V DC input voltage, with acceptable fluctuations of +25% to -20%. It includes a sophisticated analog resistive touch interface for intuitive interaction.

An LED system provides backlighting, designed to last approximately 60,000 hours under typical conditions (25°C and 50%

brightness). The memory specifications encompass 57 MB of ROM and 128 MB of RAM, allowing for efficient data handling and process control.

Connectivity is versatile, including RS-232, RS-422/485 interfaces, Ethernet, and USB host/device capabilities. An SD card slot further extends storage options, ensuring this human-machine interface is adaptable for various communication needs.

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