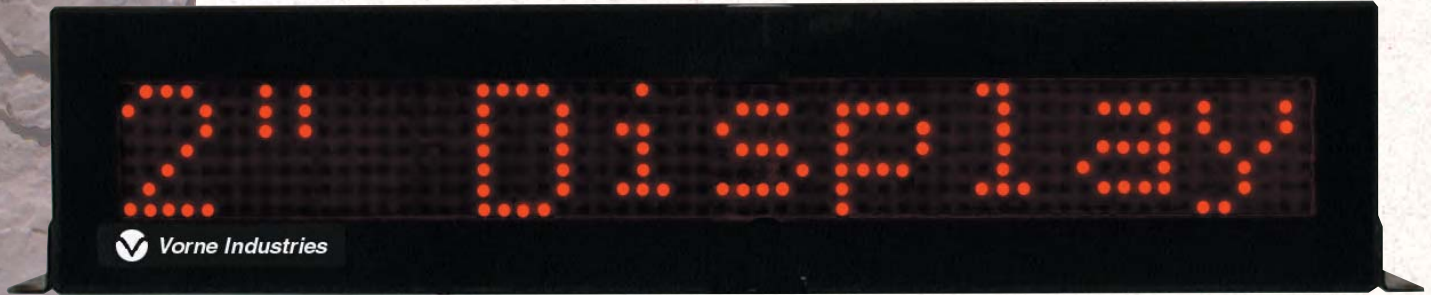


Vorne



# GY2200 Large Alphanumeric Display



GY2200  
2" Character  
Alphanumeric  
Display

## The GY2200 - The Big Marquee In A Sleek Compact Package

Designed to bridge the gap between giant marquees and small message displays, the GY2200 delivers the advanced large marquee features you require, in a sleek, compactly styled package. Visually magnetic 2" tall red LED display characters command attention, yet are pleasing to the eye. Imagine being able to read messages and operator alerts at distances of 75 feet and beyond. Lots of information to display? Detailed messages are no problem. The GY2200 is capable of smoothly scrolling messages of up to 60 characters in length.

Built to survive the rough industrial environment, the GY2200 also features a rugged, heavy gauge aluminum enclosure that is sleek, attractive and highly durable. Back panel mounted EAC power and DB-9 data connectors make the GY2200 a truly stand alone display and eliminate the need for cumbersome fittings and expensive installation time. Flexible enclosure options even include a handy panel mount version - perfect for bringing your panel to life!

With a proven track record, the GY2200 provides reliable performance and is engineered to stand up to your most difficult plant floor, mill, or OEM applications. Visual appeal, rock-solid construction and a truly dedicated technical support team combine to make the GY2200 the right choice for your next marquee display project. Try a GY2200 demo unit and discover why Vorne is your first choice for industrial marquee displays!

## Standard Features

- High-efficiency red LED 10 character display
- 2" font size with a full matrix display field
- Smooth scrolling 60 character messages
- Interfaces to almost any serial output device
- Simple ASCII based protocol
- Multi-drop capable with 98 discrete addresses
- Versatile plug-in communications board
- Five baud rates ranging from 300 to 9600
- Viewing distances of 75' and beyond
- Full 128 ASCII character set
- Quick and easy DIP switch setup
- ASCII commands for scroll, flash and more
- Built-in 120 VAC switching power supply
- Rugged aluminum enclosure
- Multiple mounting options
- Back panel mounted EAC and DB-9 connectors
- Free 30-day demonstration/evaluation units
- Free expert technical support

## Pricing

- GY2200 120 VAC powered marquee — \$706 each

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**Bring your panel to life!** The versatile GY2200 is available in a panel-mount version that allows you to bring sizzling large-scale messages to places where indicator lamps and small panel meters are typically overlooked. Dynamic messages spring to life on the GY2200 and command the attention of all within eye shot of the display!

## Display Features

The GY2200 delivers vibrant 2" characters in a rugged compact package, enabling easy integration for a full range of stand alone marquee and panel mount messaging applications.

### Vivid Display Field

Excellent brightness, wide viewing angle and power efficiency are just a few of the reasons we selected high-efficiency red light emitting diodes (LEDs) for the GY2200 marquee. These LEDs also have an outstanding rated life - nearly 10 years of continuous operation!

### Full ASCII Character Set

The GY2200 employs a full 128 ASCII character set which includes a wide variety of symbols and international characters for excellent message versatility. A 60 character buffer allows even your longest of messages to be displayed with ease.

### Display Specifications

Display Characters	10
Pixel Size	0.2"
Pixel Pitch	0.3"
Pixel Matrix	7 x 60
Pixel Brightness (minimum)	900 $\mu$ cd
Pixel Brightness (typical)	2,200 $\mu$ cd

## Communication Features

### Selectable Serial Ports

To make communications easy, the GY2200 is available with your choice of data input and output types - with choices including RS-232, and RS-485 (fully compatible with RS-422 com ports). An easily accessed communications card may be changed at any time should your data handling requirements change.

### Stand-alone or Easily Networked

Easily add a display to an existing network, or conveniently establish individual or grouped networks of displays using addressing to control the flow of data to a specific unit. Nearly one hundred individual addresses are available by simply dialing in numbers on the rotary DIP switches in each display.

### Simple DIP Switch Setup

Convenient DIP switch setup allows for the selection of five baud rates ranging from 300 to 9600 baud. The number of data bits is also selectable, and the GY2200 automatically recognizes carriage return <CR> and/or <LF> as a message terminator. When no line terminator is chosen the GY2200 operates in a direct mode - accepting and processing characters as received. Communicating to the GY2200 from a host device serial port can be as simple as flipping a few switches!

### Simple Command Set

A powerful, yet easy-to-use ASCII command set drives the GY2200 display. Punctuate your messages with up to nine brightness levels and nine flash rates. You can even flash a selected portion of your message to call attention to important data. Add scrolling effects for longer messages and adjust the scroll speed to your liking with up to nine distinct levels of scroll rate.

## Enclosure and Dimensions

### Tough and Compact Enclosure

Built tough, the GY2200 enclosure is designed to survive the rough industrial environment. The chassis is crafted of heavy gauge aluminum and anodized (panel-mount models) or texture painted (stand-alone models) black.

Built to last, the GY2200 utilizes threaded inserts at each and every fastening point, and the red acrylic viewing window is permanently bonded to the face plate. Simply stated, the GY2200 gives your display project a distinct look of quality.

### Easy Setup Access

A single removable panel provides instant access to the setup and address DIP switches as well as the removable communications card. Preparing a GY2200 for use couldn't be easier!

## Versatile Mounting Options

The GY2200 is available in several mounting configurations. Stand-alone models utilize pre-drilled mounting brackets for your convenience and can easily be set-up for top mount or base mount. The panel mount version comes standard with an oversize bezel and includes four screw down pressure clips that expand to accommodate panels up to 3/4" thick.

## Specifications

Operating Power (typical)	10 watts
Operating Power (maximum)	18 watts
Operating Temperature Range	0 to 55 °C
Humidity (non-condensing)	5% to 95%
Weight	5 pounds

## Viewing Distance

The table below outlines the recommended viewing distances for the GY2200.

Character Matrix	Character Height	Recommended Viewing	Maximum Viewing
5 x 7	2.0"	Up to 60'	Up to 75'

## How to Order

### Ordering Options

GY2200 - (A) / (B) - (C)

(A) Data Type Received  
232 = RS-232  
485 = RS-422/RS-485

(B) Data Type Retransmitted  
232 = RS-232  
485 = RS-422/RS-485

(C) Enclosure Mounting Options  
ST = Stand-Alone Top Mount  
SB = Stand-Alone Base Mount  
C = Panel Mount Case

TTL and current loop are available upon special request as options for data type received.

## Models and Pricing

The following prices are for single unit quantities. Volume discounts are available for purchases of 10 units or more.

GY2200 All Above Models \$706

## Software

Serial 97 Data Transfer Utility FREE

## FREE Trial Units

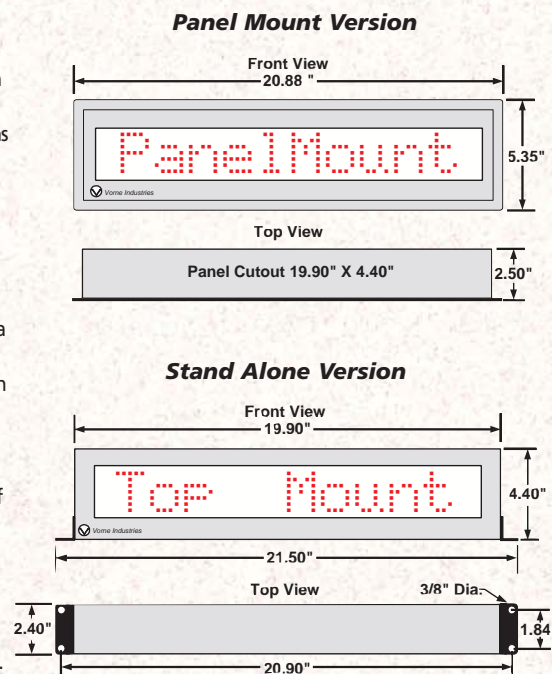
The GY2200 display is available for a FREE 30 day trial. We know of no better way to show you the quality of our products and support than to have you experience it for yourself.

## For More Information

Call us toll free at 1-888-DISPLAYS (1-888-347-7529) and we will be happy to discuss your application, or send you more information.

**Call Today!**  
**1-888-DISPLAYS**  
1-888-347-7529

Visit us at [www.vorne.com](http://www.vorne.com)



**GY2200 Dimensional Drawings**