

Blue Series

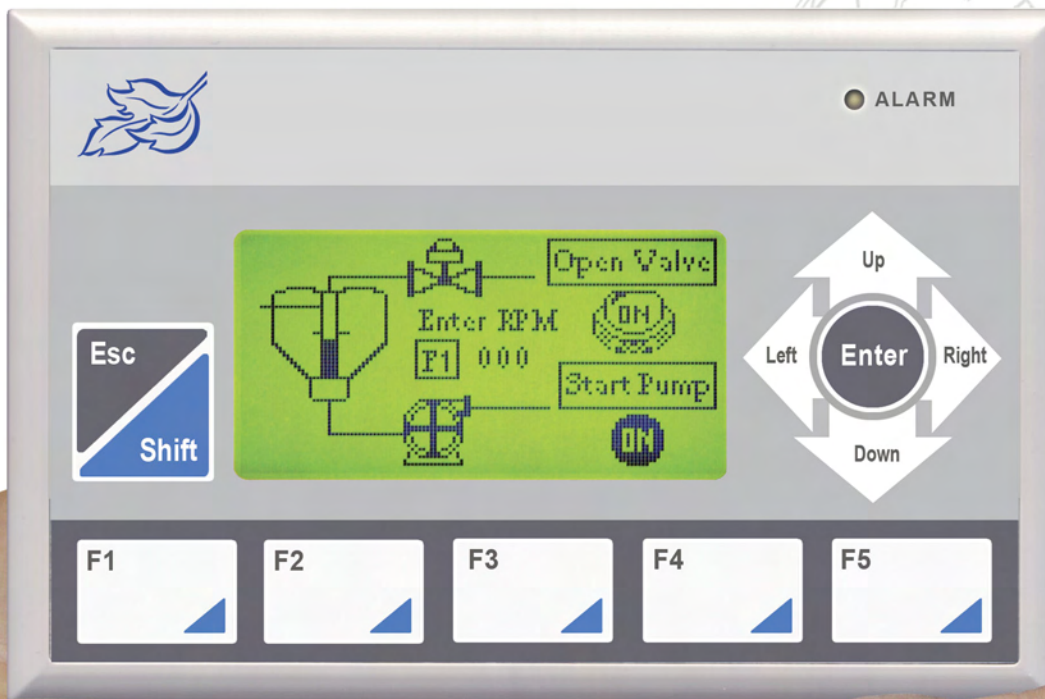
3" Graphic Operator Interface with Keypad

Affordable

Easy To Use

Rugged and Reliable

Seamless System Interface



ACTUAL SIZE





Looking for a low cost, full-featured graphic operator interface terminal to make the most of your PLC or controller-based system?

Look no further than the Blue Series — Maple Systems' powerhouse terminal that makes human-machine interaction more affordable and functional than ever.



The Features You Want

We've worked with thousands of customers in all types of applications for nearly 25 years. During that time, our customers have told us what they want, and we responded. Here's why the Blue Series is the perfect panel to work in your PLC or controller-based system...

It's Affordable

With a list price lower than most graphic operator interface terminals — **at \$179** — the Blue Series is loaded with high-value features that make it even more valuable, because we believe the operator interface shouldn't be the most expensive component of an application.

- OEM quantity discounts
- Free technical support
- Free comprehensive product documentation
- Affordable programming software

It's Easy to Use

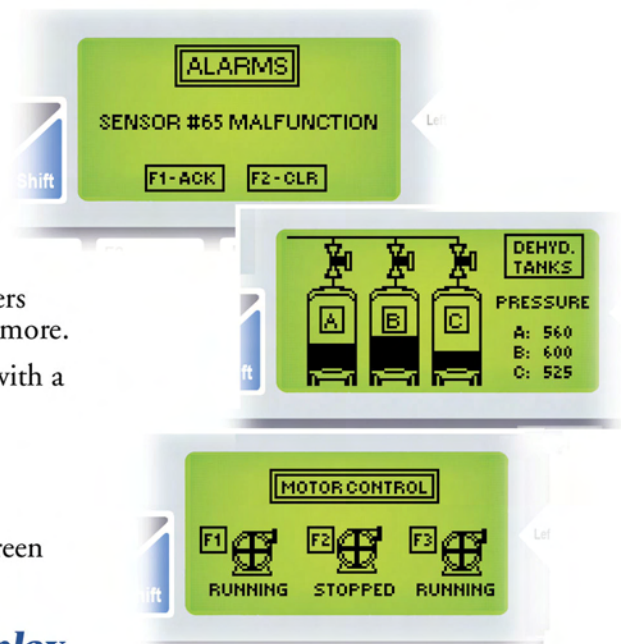
From the easy-to-use BlueLeaf configuration software to its graphic capabilities, the Blue Series has a whole host of features that make it so user-friendly that it fits seamlessly into any application.

- Seamless **PLC SUPPORT** for most major-brand PLCs and controllers including Allen-Bradley, Siemens, GE, Koyo, Modbus and many more.
- Five user-defined **FUNCTION KEYS** that can be screen-dependent, with a shift key that allows for 10-key input.
- Optional proprietary **MEMORY STICK** for easy project downloads.
- Up to 999 screens
- Alarm condition monitoring with **ALARM STATUS LED** and on-screen **ALARM MESSAGES**.

It's Rugged and Reliable

All of our products are built to be reliable, and the Blue Series is no exception. We stand behind the reliability of the Blue Series with...

- Full 2-year warranty
- CE rating
- UL listing
- Immediate availability and prompt shipping



It Has a Versatile Display

- Create onscreen function key labels
- Display up to 10 lines of text
- Combine text and graphics onscreen
- Use several different font sizes on a single screen
- Place navigation icons onscreen



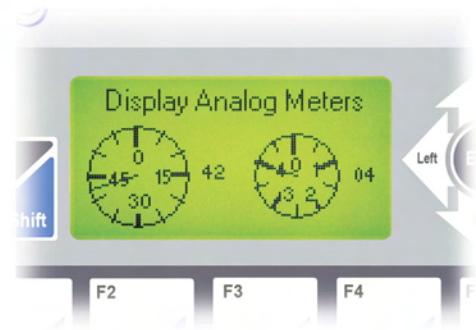
It Has Graphics

Ready to begin enhancing your text messages in ways you didn't imagine were possible? Take a look at all of the ways the Blue Series' graphic features lift your operator interface to a new level of communication using bitmaps, meters, lamps and more.

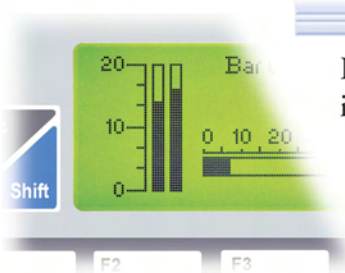
Display PLC Registers Using ANALOG METERS

Versatile analog meters provide true, easy-to-interpret graphic representation of data from PLC registers. Meters can be fully customized to meet the needs of the individual application.

- Signed and unsigned formats
- User-defined min/max values, number of digits, major and minor tick marks and font sizes



Represent Important Data With Easily Interpreted BAR GRAPHS

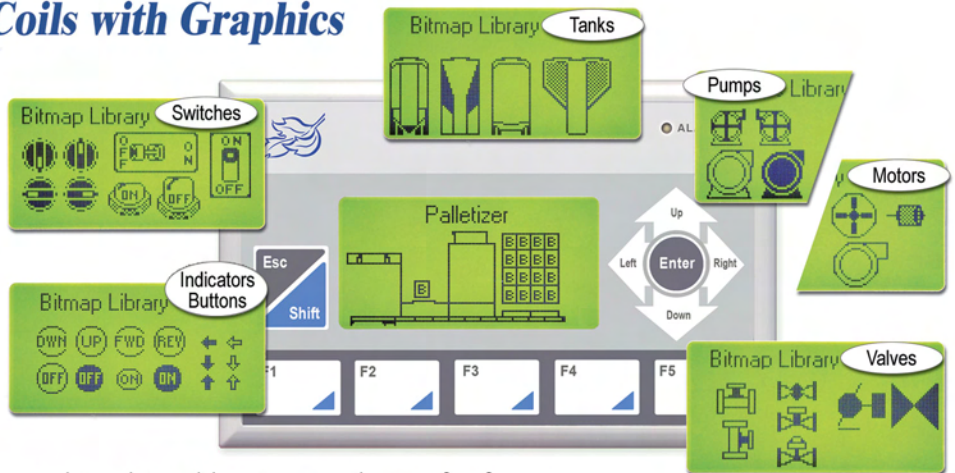


Fully customizable bar graphs give you the ability to graphically represent important controller data.

- Configure to move in different directions – Up, Down, Left, and Right
- Custom scaling for size, direction, major/minor ticks, and labels
- Combine with bitmaps such as tanks to show level

Show PLC Registers and Coils with Graphics

- Graphically represent coils & registers with multi-state bitmaps
- Replace text with graphic bitmaps
- Show on/off status coils
- Represent PLC registers in up to 255 states
- Show object states with pictures, shading and text labels
- Over 500 bitmaps are available, stored in object libraries on BlueLeaf software
- Create bitmaps in another drawing program such as Microsoft Paint, and import them into BlueLeaf software
- Store custom graphics in object libraries



Use TRUE TYPE FONTS® To Give Your Screens the Look You Want

Emphasize key labels and information by changing font. The Blue Series uses TrueType® fonts, allowing you use of many of the fonts on your computer, including:

- International characters
- Font sizing
- Font formatting (bold, italic, underline)



Specifications

Display

Type – 3" STN Graphic LCD w/backlight
Resolution – 128 x 64 pixels [2 mm]
Display Size (WxH) – 2.64" [67mm] x 1.26" [32mm]
Backlight – LED backlight with up to 50,000 hour life span
Ten step contrast adjustment

Hardware

Flash Memory – 256KB
Real-Time Clock Chip – standard (battery field replaceable – CR2032)

Mechanical

Material – plastic ABS
Mounting – panel
Weight – 0.60 lb [0.27 kg]
Dimensions (WxHxD) – 5.79" [147mm] x 3.82" [97mm] x 1.61" [41.0mm]
Depth Behind Panel – 1.40" [35mm]

Environment

Operating Temp. – 32 to 122°F; 0 to 50°C
Storage Temp. – -4 to 140°F; -20 to 60°C
Relative Humidity – 20% to 90% (non-condensing)
Vibration Endurance – 10 to 25 Hz (x,y,z direction; 2G; 40 minutes)

Certifications

NEMA 4/12 (IP65)
UL508a LISTED
CE Certification:



EN61000-4-2/1995
EN61000-4-3/1995
EN61000-4-4/1995
CISPR22, Class A

Power Requirements

Input Voltage – 24 VDC
Power Voltage – 3.5 watts max. (60mA typ.)

Communications

- One RS-232 serial port (DE9P) used for OIT configuration and controller communications
- One RS-485 two-wire serial port (Molex input) for controller communications
- Baud rates from 4,800 to 115,200
- Point-to-point serial communications for all protocols (network support for Modbus protocol)

Memory Stick Support

 (proprietary, only available from Maple)

- Optional memory stick for quickly downloading project into OIT

Keypad

- Membrane with audible and tactile feedback
- Up to 5 million operations
- Five user-definable keys, ESC, SHIFT, ENTER, Arrow keys

Available Keys

- Five user-definable keys that can be configured as up to ten function keys using the SHIFT key
- User-definable keys can be configured as:
 - Latched button
 - Push On/Off switch
 - Momentary switch
 - Jog button
 - Screen jump button
 - Set Constant
 - Input numeric value
 - Set a password
- Numeric entry using data entry screen with arrow keys
- Esc key to cancel operation
- Enter key to accept the data entered by the operator and update the current register

Screens

- Up to 999 user-definable screens
- User-definable startup screen
- Can display text and graphics

Graphics Libraries

- Includes more than 500 of the most common bitmap symbols
- Store new bitmaps
- Import preexisting bitmaps (8-bit)

Text

- Text objects can display characters using Windows TrueType fonts
- Multiple font sizes and styles available
- Text can be aligned within a frame

Bar Graphs

- Define the direction – up, down, right or left
- Adjustable min/max range
- Scale object for tick marks and numeric labels

Meters

- Two formats – 300 degree or 360 degree
- Scale with major/minor tick marks
- Numeric labels with four font sizes
- Adjustable min/max range

PLC Register Control

- Decimal, Signed, Hex, and BCD representation
- 16 or 32 bit formats
- Adjustable decimal location
- Adjustable field width
- High/low limits
- Data can be aligned within a frame
- Password Protection
- Set/Clear a coil before or after writing value
- Four font sizes

Alarms

- Alarm LED and/or buzzer triggered by coil or value
- Alarm LED and/or buzzer set per screen or global

Additional Features

- Backlight screen saver
- Easy-to-use, Windows-based configuration software
- 10 level user-password settings

About Maple Systems

Elevating the Art of the Operator Interface ...

Maple Systems is unique in the industrial marketplace. We are operator interface (OIT) experts who have specialized in the design, manufacture and support of operator interface solutions for 25 years. This specialized experience is evident in the quality, versatility and affordability of each of our operator interface terminals.

Our controller support is unsurpassed, with operator interface terminals that communicate with over 80 families of controllers from industry-leading manufacturers like Allen-Bradley, Omron, Siemens, Koyo, and GE Fanuc, as well as the hundreds of PLCs and motion controllers that use Modbus and ASCII communications. And each of our products has all of the features you need at extremely affordable prices.

Whether you need to display simple text or complex data entry and process monitoring, our team of OIT experts can help you to find the perfect solution for your application.

Value ... Performance ... Personalized Solutions ...
From the Operator Interface Specialists



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