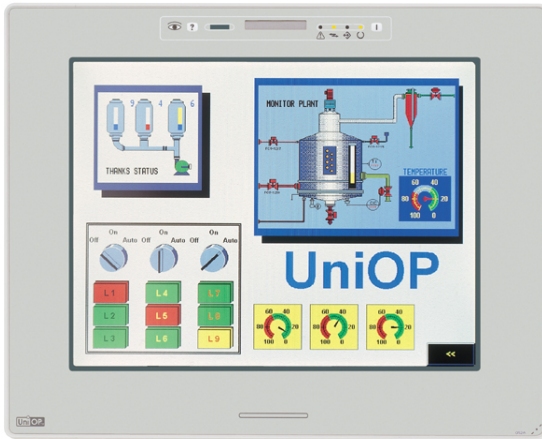


## UniOP eTOP50B

The eTOP50B is a state-of-the-art HMI device with touchscreen interface and 15" TFT color graphic display. Support for 64K colors in the brilliant TFT display will increase the realism of the images. The XGA resolution makes it the ideal choice for high-end HMI applications.



- 15" TFT color display
- XGA (1024x768 pixel) resolution
- 64K colors
- Resistive touchscreen
- Connection to industrial bus systems and Ethernet (requires optional plug-in modules)
- Compatible with video input module
- 32 MB internal user memory

### Highlights

The eTOP HMI panels are part of the UniOP family of touchscreen products. All of the eTOP products support the rich common functionalities of the UniOP operator panels:

- Powerful and intuitive programming with the UniOP Designer 6 software
- Support of more than 130 communication drivers for industrial devices
- Optional modules for fieldbus systems (Profibus DP, CANopen, DeviceNet, Interbus) and Ethernet. Ethernet modules allow connection to field devices as well as programming the HMI from Designer.
- Dual-driver communication capability
- Vector graphic capabilities including the support of multiple layers and object transparency.
- Video input option
- Display dynamic data in numerical, text, bargraph and graphic image formats
- Data acquisition and trend presentation. Trend data can be transferred to a host computer using the Ethernet connection.
- Analog gauge objects
- Recipe data storage. Recipe data can be transferred to a host computer using the Ethernet connection.
- Multilanguage applications. The number of runtime languages is limited only by the available memory. All text information in the application can be exported in Unicode format for easier translation.
- Powerful macro editor to configure touchscreen operation
- Alarms and historical alarm list. Alarm and event information can be printed or transferred to a host computer using the Ethernet connection.
- Eight level password protection.
- Report printing to serial printer. Reports are freely configurable using Designer.
- Ethernet-based UniNet network to share data between UniOP HMIs and to serve data using UniNet OPC Server.

## Technical Data

|                                  |  |                                 |   |
|----------------------------------|--|---------------------------------|---|
| <b>Display</b>                   |  | <b>Recipe memory</b>            |   |
| Type                             | TFT  | UniNet network                  | 32 KB   |
| Resolution                       | XGA, 1024x768 pixel                        | Alarms                          | Client/Server   |
| Active display area              | 304x228 mm (15" diagonal)                  | Event list                      | 1024  |
| Colors                           | 64K  | Password                        | 1024  |
| Backlight                        | CCFL, 50000 h <sup>(note 1)</sup>          | Hardware RTC                    | Yes   |
| Brightness                       | 250 cd/m <sup>2</sup> typ.                 | Screen saver                    | Yes, battery backed   |
| Dimming                          | Yes  | Buzzer                          | Yes   |
| <b>Memory</b>                    |  | Battery                         | Yes, audible feedback for touch screen  |
| User memory                      | 32 MB internal Flash                       |                                 | 3 V 270 mA Lithium, non rechargeable, user replaceable, model CR2430. Replace with same component or equivalent compatible with the operating temperature of the product. |
| User memory expansion            | Optional removable 32 MB SSFDC memory card | <b>Ratings</b>                  |   |
| <b>Front panel</b>               |  | Power supply voltage            | 18 - 30 VDC   |
| Touch screen                     | Analog resistive                           | Current consumption             | Max 1.2 A at 24 VDC   |
| Function keys                    | 1  | Fuse                            | Automatic   |
| System keys                      | -  | Weight                          | Approx 3.8 Kg   |
| User LED's                       | 1  | <b>Environmental Conditions</b> |   |
| System LED's                     | 4  | Operating temperature           | 0 to 45 °C  |
| <b>Interfaces</b>                |  | Storage temperature             | -20 to +70 °C   |
| PC/Printer port                  | Yes  | Operating and storage humidity  | 5 – 85 % RH non-condensing  |
| PLC port                         | RS-232, RS-485, RS-422, 20 mA Current Loop | Protection class                | IP65 (front panel)  |
| Aux port (fieldbus and Ethernet) | Yes, with optional modules                 | <b>Dimensions</b>               |   |
| DX port (video input)            | Yes  | Faceplate LxH                   | 392x307 mm (15.43x12.08")   |
| Serial programming speed         | 9600 – 38400 bps                           | Cutout AxB                      | 381x296 mm (15.00x11.65 ")  |
| <b>Functionality</b>             |  | Mounting depth (type 0050)      | 101 mm (3.98")  |
| Vector graphics                  | Yes  | Max panel thickness             | 5 mm (0.2")   |
| Dual driver capability           | Yes  |                                 |   |
| Video input                      | Yes  |                                 |   |
| Data acquisition and trends      | Yes  |                                 |   |

Note 1: the lamp lifetime is the typical value for continuous operation at 25°C.

The product is designed for installation in industrial environments in compliance with the regulations:

Emitted interference    EN 61000-6-4, 2001

Noise immunity        EN 61000-6-2, 2001

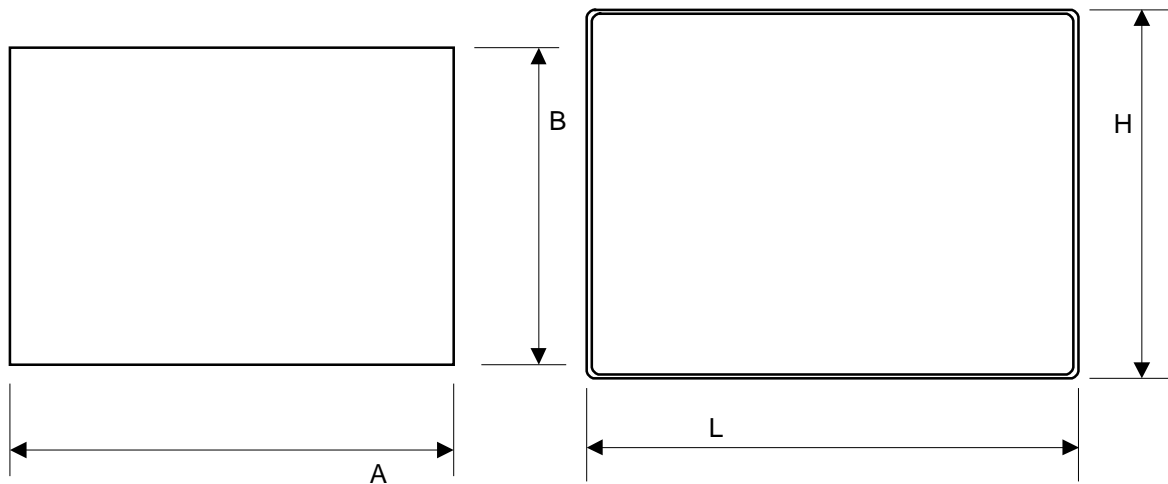


Figure 1 – Cutout and front view

### Ordering Information

ETOP50B-0050

15" XGA TFT color panel with touchscreen

**Tn220**

**Ver. 1.00**

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