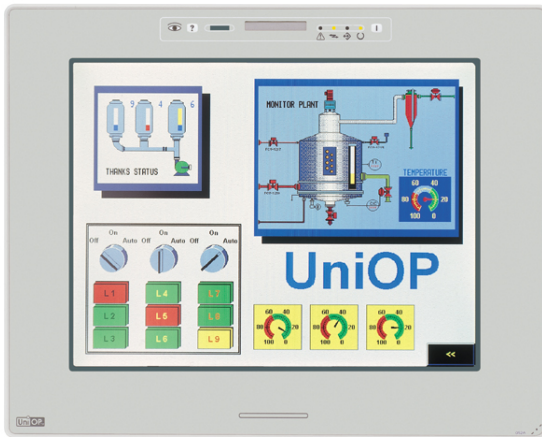


UniOP eTOP39B

The eTOP39B is a state-of-the-art HMI device with NFI (Near Field Interface) touchscreen and sunlight-readable 10.4" Advanced TFT color graphic display. Touchscreen and display are specifically designed for outdoor use with extreme illumination conditions. Support for 64K colors in the brilliant TFT display will increase the realism of the images. The characteristics of touchscreen and display make this unit the ideal choice for high-end HMI applications in harsh environments.



- 10.4" Advanced TFT color display
- VGA (640x480 pixel) resolution
- 64K colors
- NFI (Near Field Imaging) touchscreen
- Sunlight-readable
- Connection to industrial bus systems and Ethernet (requires optional plug-in modules)
- Compatible with video input module
- 32 MB internal user memory
- Extended operating temperature range

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.

Technology Highlights

Two state-of-the-art human interface technologies are featured in this HMI panel specifically designed for outdoor use:

- **NFI** (Near Field Imaging). The NFI touch screen sensor uses low-level electrostatic field and true glass. Best results for ruggedness, transparency and touch functionality. It is suitable for exposition to sunlight and use in harsh environments.
- **ATFT** (Advanced TFT). This variation of the TFT technology couples the light transmission and reflection for optimal readability and contrast in all conditions, including direct sunlight.

Technical Data

Display		Recipe memory	32 KB
Type	Advanced TFT	UniNet network	Client/Server
Resolution	VGA, 640x480 pixel	Alarms	1024
Active display area	218x159 mm (10.4" diagonal)	Event list	1024
Colors	64K	Password	Yes
Backlight	CCFL, 50000 h ^(note 1)	Hardware RTC	Yes, battery backed
Brightness	350 cd/m ² typ.	Screen saver	Yes
Dimming	Yes	Buzzer	Yes, audible feedback for touch screen
Memory		Battery	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	32 MB internal Flash		
User memory expansion	Optional removable 32 MB SSFDC memory card		
Front panel		Ratings	
Touch screen	NFI	Power supply voltage	24 V DC (12 to 30 V DC)
Function keys	1	Current consumption	Max 0.7 A at 24 V DC
System keys	-	Fuse	Automatic
User LED's	1	Weight	Approx 3.4 Kg
System LED's	4	Environmental Conditions	
Interfaces		Operating temperature	-10 to 55 °C
PC/Printer port	Yes	Storage temperature	-20 to +70 °C
PLC port	RS-232, RS-485, RS-422, 20 mA Current Loop	Operating and storage humidity	5 – 85 % RH non-condensing
Aux port (fieldbus and Ethernet)	Yes, with optional modules	Protection class	IP65 (front panel)
DX port (video input)	Yes	Dimensions	
Serial programming speed	9600 – 38400 bps	Faceplate LxH	287x232 mm (11.30x9.14")
Functionality		Cutout AxB	276x221 mm (10.87x8.70")
Vector graphics	Yes	Mounting depth (type 0050)	102 mm (4.01")
Dual driver capability	Yes	Max panel thickness	5 mm (0.2")
Video input	Yes		
Data acquisition and trends	Yes		

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

For all outdoor applications it is recommended to mount the device as vertically as possible and install a canopy over it to provide extra protection from precipitation and direct sunlight.

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

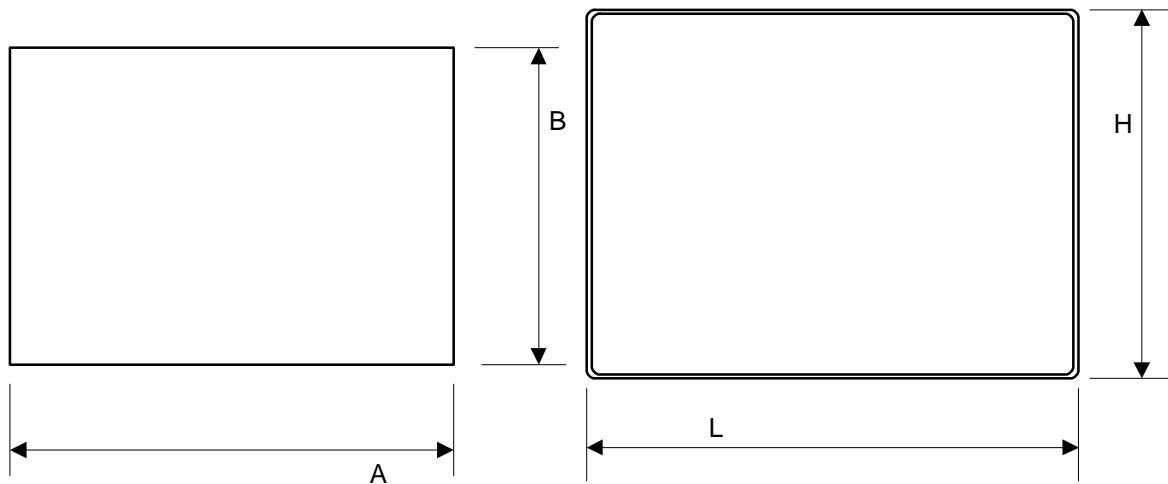


Figure 1 – Cutout and front view

Ordering Information

eTOP39B-0050

10.4" VGA Advanced TFT color panel with NFI touchscreen. Sunlight-readable.

Tn218

Ver. 1.00

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