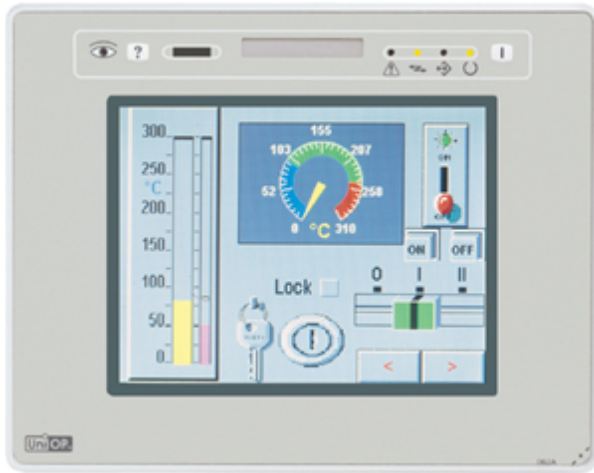


## UniOP eTOP10B and eTOP11EB

The eTOP10B and eTOP11EB are state-of-the-art HMI devices with touchscreen interface and 5.6" TFT and STN color graphic displays. Support for 64K colors in the brilliant TFT display will increase the realism of the images. The compact size and the 1/4 VGA resolution make them an attractive solution where space is a premium without compromising performance.



- 5.6" TFT and STN color displays
- 1/4 VGA (320x240 pixel) resolution
- 64K colors (eTOP10B only)
- Resistive touchscreen
- Connection to industrial bus systems and Ethernet (requires optional plug-in modules)
- Compatible with video input module (eTOP10B only)
- 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 (eTOP10B only)
- 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>Data acquisition and trends</b>	
Type	eTOP10B TFT eTOP11EB STN	Recipe memory	Yes
Resolution	1/4 VGA, 320x240 pixel	UniNet network	32 KB
Active display area	121x91 mm (5.6" diagonal)	Alarms	Client/Server
Colors	eTOP10B 64K eTOP11EB 256	Event list	1024
Backlight	eTOP10B CCFL, 50K h <sup>(note 1)</sup> eTOP11EB CCFL, 75K h <sup>(note 1)</sup>	Password	1024
Brightness	eTOP10B 330 cd/m <sup>2</sup> typ. eTOP11EB 330 cd/m <sup>2</sup> typ.	Hardware RTC	Yes
Dimming	eTOP10B Yes eTOP11EB No	Screen saver	Yes, battery backed
<b>Memory</b>		Buzzer	Yes
User memory	32 MB internal Flash	Battery	Yes, audible feedback for touch screen
User memory expansion	Optional removable 32 MB SSFDC memory card	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.	
<b>Front panel</b>		<b>Ratings</b>	
Touch screen	Analog resistive	Power supply voltage	24 V DC (18 to 30 V DC)
Function keys	1	Current consumption	Max 0.6 A at 24 VDC
System keys	-	Fuse	Automatic
User LED's	1	Weight	Approx 1.4 Kg
System LED's	4	<b>Environmental Conditions</b>	
<b>Interfaces</b>		Operating temperature	0 to 45 °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)	eTOP10B Yes eTOP11EB No	<b>Dimensions</b>	
Serial programming speed	9600 – 38400 bps	Faceplate LxH	187x147 mm (7.36x5.79")
<b>Functionality</b>		Cutout AxB	176x136 mm (6.93x5.35 ")
Vector graphics	Yes	Mounting depth (type 0050)	91 mm (3.58")
Dual driver capability	Yes	Max panel thickness	5 mm (0.2")
Video input	eTOP10B Yes eTOP11EB No		

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

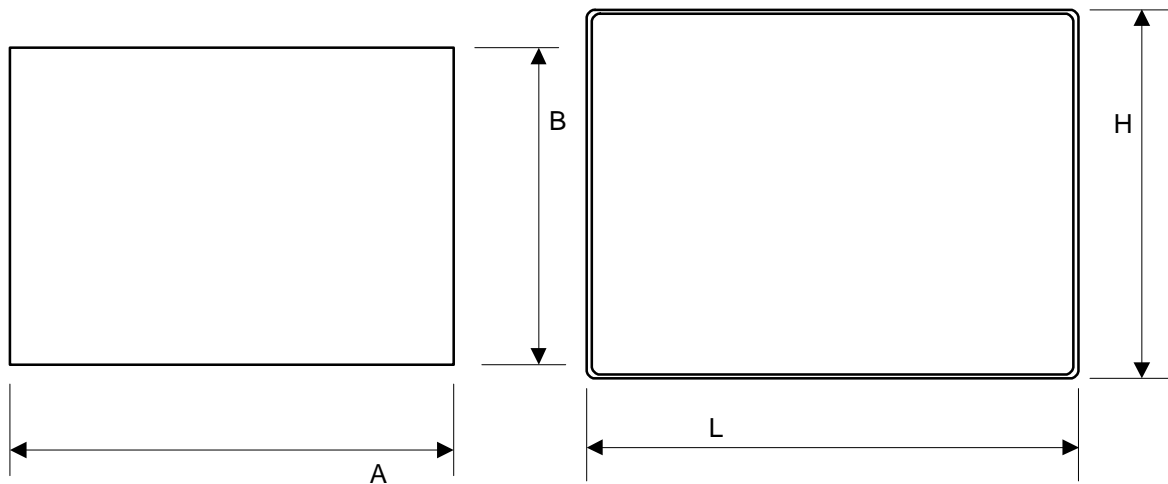


Figure 1 – Cutout and front view

### Ordering Information

eTOP10B-0050  
eTOP11EB-0050

5.6" 1/4 VGA TFT color panel with touchscreen  
5.6" 1/4 VGA STN color panel with touchscreen

**Tn215**  
**Ver. 1.00**

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UniOP eTOP10B and eTOP11EB