

Colour-Touch TIU300

New Colour-Touch TIU300 Range

The TIU300 series adds Colour Touchscreen Operator Interface capability to the TIU product line. The TIU Line now extends from two line Text models, Monochrome Semi and full Graphics models into the powerful Colour Touchscreen models.



**Powerful HMI
for Drives and
PLC's**

**>100 Serial
Protocols**

**High
Performance
Graphical
Display**

**Single HMI
Programming
Software
across the
Range**

**Included OPC
Server
Software**

**Centronics
Printer Port**

The TIU Operator Interface is a ¼ VGA (320x240) Colour or Monochrome LCD display. Available as STN or TFT with a resistive 5.7" touchscreen and has 5 user configurable function keys. This gives both the flexibility of touchscreen with the advantages of some fixed position keys.

The TIU300 is programmed with the same Windows® based programming software as the rest of the TIU range. Use of a single software package across such a wide range of products allows existing users reduced learning curves between implementation of different products and projects. The familiar Horner ease of use approach provides new users with rapid project development times. Cbreeze 5.0 programming software is available free of charge from our Website.

Included OPC Server Software provides Connectivity.

With the launch of the Colour Touch Models and Cbreeze 5.0 we are now including FREE OPC Server Software, this powerful software also works across all models of the TIU range with the exception of the entry level TIU050.

The OPC server software connects via the serial ports of the TIU and PC to interface with windows applications in the PC Environment. This easy to use software allows the user to rapidly develop applications in the Microsoft® suite of tools such as Word, Excel and Powerpoint which can easily capture, log and display data. Some examples are included in the software and in seconds the user can record and display data via Excel.

For applications requiring a higher speed connection, separate software and ISA/PCI cards are available for the PC and connect via Horner's CAN bus.

Custom Applications

Horner has built its reputation of developing Control and HMI products to support customers requirements. Our Engineering and Manufacturing teams in Europe are geared up to support customers specific requirements at volumes that others cannot. If you do not see what you want in our product ranges – give us a call and see if we can meet your requirements.

Future Developments

Horner's policy of continual product development means that the following features will soon be made available on the Colour and Touch Range. Please check our web for availability.

- Fieldbus versions Including Profibus, CANOpen, Devicenet, CsCAN, Ethernet and Others.
- Horner's remote mounting I/O system the FOX I/O SYSTEM that simplifies wiring by using Plastic Fibre Optic Connections between Controller and I/O.
- New Screen Sizes – 8" , 10" , 12" and larger.
- Extra Serial Ports.

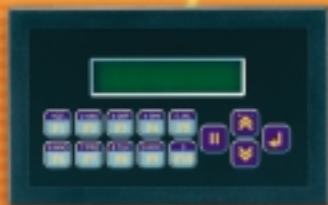
Colour-Touch TIU300 Horner Operator Control Station

**Free
Programming
Software**

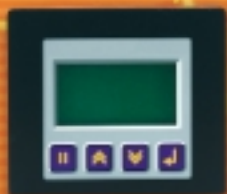
**Optional Real
Time Clock**

**Memory
Upgrades**

**Optional
Memory Card
Reader**



HE500TIU050



HE500TIU100



HE500TIU110



HE500TIU200

Specifications

Display

Type	320x240 pixel LCD with backlight. TFT and STN models available
Screen dimensions	117mm W x 88mm H (4.6" x 3.5")
Monochrome Colour	8 Hues + blinking
TFT / STN Colour	16 Colours + blinking

Graphics Supported

User tools	Editable Graphics, Pilot Lights, Trending, Data Display, Scaling, Range Checking, Data Display/Graphing, Alarms and Status Pages, Maths script Language – 1024 Lines Day and Time Scheduling, Background Task 1200 Internal registers
Formats	- Animated Bit Maps - Bar Graphs - Symbol Library - Editable Fonts - Drawing Tools - Pushbuttons - Selectors - Alarms - Sliders

User Keys and Touchscreen

Function Keys	5 (plus System Key)
Touchscreen	Resistive Analog 1024W x 1024H
Life	Greater than 1 million operations

Communications

Serial Ports	(2) RS-232/RS-485 (RJ-45) (1) RS-232/RS-422 (DB-25)
Protocols Supported	Serial ports - CsCAN, Modbus Master, Modbus Slave, Modem See our Web for details of our many Protocols for Drives, PLC's and other Serial Devices

DC Power Source

Primary Power	24VDC (+/-10%), 450mA at 24vdc, Inrush Current 2A for 3mS.
CAN Power Range	12-25VDC @ 75mA maximum
I/O Power	10-30vdc, 1.0A max at 24vdc

Dimensions

Outside Dimensions	183mm W x 139mm H x 76mm D (7.2" x 5.5" x 3")
Cut Out	174mm W x 131mm H (6.9" x 5.16")
I/O Base	168.3mm W x 1089mm H x 381mm D (6.625" x 4.25" x 1.5")

Environmental Conditions

Operating Temperature	0 to +50 Degrees C
Humidity	5% to 95% non-condensing
IP / NEMA Rating	IP65 / 12, 4, 4X
Agency Approvals	CE, UL & C-UL; Class I, Div. II

Memory and Pages

Flash RAM	2Mb
Flash Upgrade	4Mb
Sram Upgrade	512Kb
Number of pages	300
Characters per page	30x52
Data Fields per page	24 text page, 192 Graphics page
Recipe memory	64K

Part Number

HE500TIU300	5.7" Touch Screen TIU with Mono Display
HE500TIU310	5.7" Colour Touch Screen with STN Display
HE500TIU320	5.7" Colour Touch Screen with TFT Display
CBL00034	Programming Cable
DIS00057	Flash upgrade 4 Mb
DIS00058	Real Time Clock and Battery Backed SRAM (512Kb)

Description

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