



Monochrome TIU Product Family

**Choice of Text
or Pixel Based
Screens**

OPC Server

**Modem
Capable**

**Single
Programming
Software**

**Optional
Ethernet
or Fieldbus
Communication
Modules**

**Additional
Features:**

Trending

Recipes

Scaling

Editable Graphics

Alarms

Scripting

The Low-end Operator Interface Bundled with High End Features

The powerful TIU Operator Station line offers amazing versatility and is not to be confused with a simple message display. Support for trending, recipes, scaling, editable graphics and alarms is included by almost the entire TIU range, a feature list unrivalled in products of this size.

The Software - A Single Programming Package for all Models

Our Windows based software package, Cbreeze™, programs the full operator station product line. Powerful wizards enable users to make selections and set parameters required for a vast array of specific applications. The user's protocol, operating system, database and project are downloaded to the Operator Station and stored in FLASH memory. The user is then able to monitor and control various operations from the keypad and display. 300 programmable screens allow users significant monitoring and controlling capabilities. A single software package programs from 2 line text models through to large screen colour touch panels.

Large Display

Bright and clear, the backlit LCD graphic display are available in options from character only to full graphic capability and provides full, clear information rather than having to abbreviate your messages. Various backlight colours are available that can be triggered upon a specific condition controlled within the program.

Protocols

Over 100 Protocols are supported covering most major brands of PLC's, motor drives, servos, motion controllers, barcode readers, weighing devices and other serial devices. We can also develop a protocol specific to your application, contact us with your requirements.

Customisation

We specialise in providing custom features tailored to your needs. Our manufacturing techniques allow us to customise products whatever your volume requirements.

Fieldbus Connectivity - Gateway

Popular fieldbus networks including Profibus and DeviceNet are also available integrated on the product leaving serial ports free for other communications. On the TIU200 a larger range of Fieldbuses are made available by utilising the SmartStack™ Fieldbus module range.

Math's Scripting

Control SmartStix™ I/O systems and make decisions directly from the TIU without the need for a PLC from our powerful scripting language.

Horner TIU Operator Control Station

HE500TIU050

HE500TIU10X

HE500TIU11X

HE500TIU20X



Edit values with simple key strokes. Text only and full keyboard.



Edit values with simple key strokes. Text and semi graphic display.



Edit values with simple key strokes. Text, semi graphic display and full keyboard.



Edit values with simple key strokes. Text, graphic display and full keyboard.

General Description

Software Cbreeze™	✓	✓	✓	✓
Programming Port RS232	1	1	1	1
Communication Port 232/485	1	1	1	1
Flash Ram	64 K Words	256 K Words	256 K Words	512 K Words
Flash Memory Upgrade (Factory Fitted)	No	No	No	1Meg Words
SRam	32 K Bytes	128 K Bytes	128 K Bytes	256 K Bytes
SRam Memory Upgrade (Factory Fitted)	No	512 K Bytes	512 K Bytes	1024 K Bytes
Total Pages	300	300	300	300
Characters per Page	2x20	8x20	8x20	16x40
Graphic pixels	Text Only	128X64	128X64	240X128
Data fields/page	4	8	8	24(Text) / 64 (Graphics)
No. of Text tables	250	250	250	250
Recipe Memory	No	64K	64K	64K
Recipes	No	✓	✓	✓
Editable Fonts	No	✓	✓	✓
Scaling Range checking	✓	✓	✓	✓
Trending	No	✓	✓	✓
Graphing	No	✓	✓	✓
Editable Graphics	No	No	No	✓
Animated Bitmaps	No	No	No	✓
Alarms and Status pages	✓	✓	✓	✓
Numeric keys	✓	No	✓	✓
System keys	4	4	4	4
Function keys (user definable)	10	No	12	18
LED's	No	No	No	10
Smart stack option	No	No	No	✓
Battery Back Ram + Real Time Clock	Optional	Optional	Optional	✓
Comprehensive Math's Facilities	No	1024 lines	1024 lines	1024 lines
Day & Time Scheduling Background Task	No	✓	✓	✓
Internal Registers	No	240 (std) / 1200 (RTC) %R	240 (std) / 1200 (RTC) %R	1200 %R
Operating Temperature C	0-50	0-50	0-50	0-50
Storage Temperature C	-10-70	-10-70	-10-70	-10-70
Humidity Non Condensing	10-90%	10-90%	10-90%	10-90%
Environmental IP65 / NEMA4	✓	✓	✓	✓
Y2K Certified CE Approved	✓	✓	✓	✓
Size-Width, Height, Depth mm	180x120x60	121x105x38	172x105x38	281x192x58
Cut-out - Width, Height mm	151x83	100x85	153x85	250x160
Screen dimensions mm	80x17	70x38	70x38	130x75
Input Voltage Range	9-35Vdc	9-35Vdc	9-35Vdc	9-35Vdc
Weight (grams)	325	370	450	1855
Fieldbus Devicenet or - CSCAN	No	Optional	Optional	Optional
Fieldbus Profibus	No	Optional	Optional	Optional
Fieldbus SmartStack	No	No	No	✓

Check out www.horner-apg.com for the latest model listing



COLOUR TOUCHSCREENS



SMARTSTIX I/O



SMARTSTACK I/O & COMMUNICATIONS

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