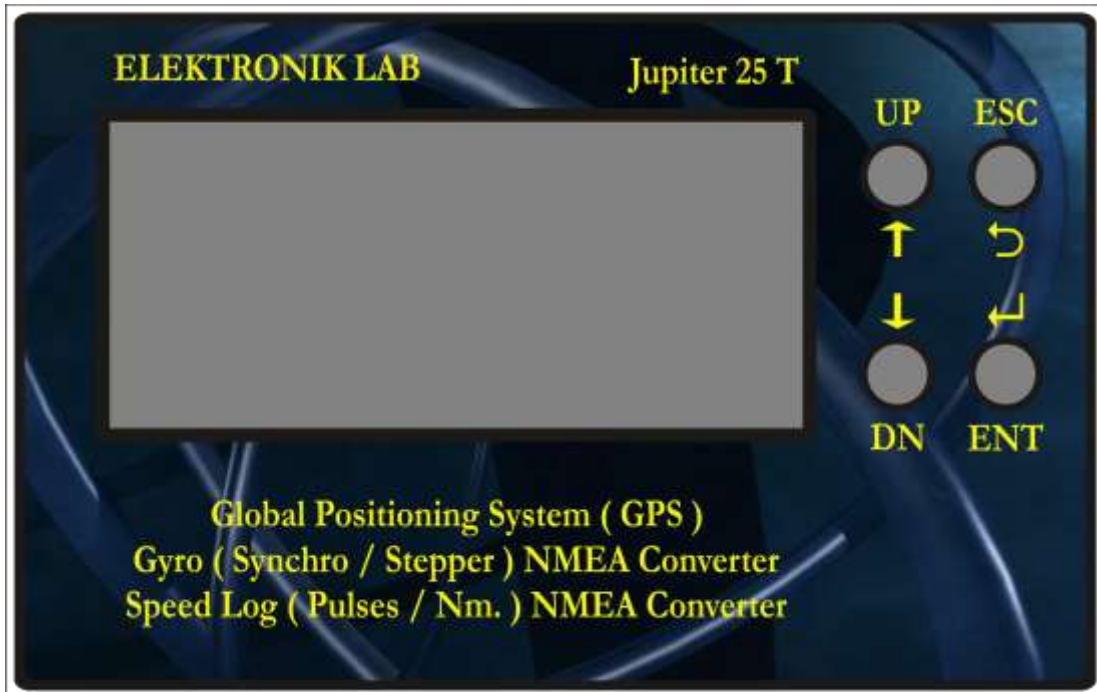




**Jupiter 25 T**  
**Multifunction System Including**  
**Global Positioning System (GPS),**  
**Gyro (Synchro / Stepper) NMEA Converter,**  
**Speed Log (Pulses / Nm.) NMEA Converter**



**Jupiter 25 T NMEA Converter Front Panel**



**Jupiter 25 T NMEA Converter Back Panel**



## Technical Specifications

**DC Power Input** : 10VDC to 32VDC @ 750mA.

**Voltage Regulator** : On – Board , **Switching Mode** Regulator.  
Thermal Shutdown & Current Limit Protection.

**Safety** : Fuse Protected and **Reverse Polarity** Protected.

**Display** : 20 X 4 Alphanumeric Character LCD's ( with Backlight )

**LED Indicators** : 1 Each for **DC Power** , **NMEA Serial Data Output** & **Serial Data Input**.

**NMEA Serial Data Output** : **Standardized NMEA 0183 ( IEC 61162 – 1 / 2 )** Serial Format with Simultaneous **RS 232** or **RS 422** Signaling at up to **115200** Kbps. Baud.

The **Baud Rates** supported on the NMEA 0183 Output are :

**115200** bps., **57600** bps., **38400** bps., **19200** bps., **9600** bps., **4800** bps., **2400** bps. and **1200** bps.

The **Sentences** supported ( with **Selectable Transmission** ) on the NMEA 0183 Output are :

**GGA**, **GLL**, **RMC** , **VTG** , **ZDA** , **HDM**, **HDT**, **ROT**, **VBW** , **VHW** and **VLW**.

The Output **Signaling** is **2 X RS232 + 2 X RS422** , Buffered , Simultaneous.

**Serial Data Input** : **Standardized NMEA 0183 ( IEC 61162 – 1 / 2 )** Serial Format with **RS 232** or **RS 422** Signaling at up to **115200** Kbps. Baud.

**Baud Rates** supported on the Data Input Channels :

**115200** bps., **57600** bps., **38400** bps., **19200** bps., **9600** bps., **4800** bps., **2400** bps. and **1200** bps.

**Sentence Identifiers** supported on the Data Input Channels :

**GPS**    **GGA** , **GLL** , **RMC** , **VTG** and **ZDA**.

**Gen.**    **HDM** , **HDT** , **ROT** , **VBW** , **VHW** and **VLW**.

### Analog Input :

**Gyro Synchro** ( 5 Wire Interface )

Gear Ratio's Supported - **360 X : 1** , **180 X : 1** , **120 X : 1** , **90 X : 1** , **72 X : 1** , **60 X : 1** , **45 X : 1** & **36 X : 1**.

Reference Frequencies Supported : **50 Hz.** , **60 Hz.** , **400 Hz.** & **500 Hz.**

Voltage Range - **20** to **125** VAC ( Opto Coupled / Isolated Input ).

Max. Digital Conversion Accuracy - **1/6°**.

Standard & Reverse **Turn Direction**.

Gyro Input **Failure Alarm**.

**Gyro Stepper** ( 4 Wire Interface )

Gear Ratio's Supported - **360 X : 1** , **180 X : 1** , **120 X : 1** , **90 X : 1** , **72 X : 1** , **60 X : 1** , **45 X : 1** & **36 X : 1**.

Voltage Range - **5** to **75** Volts ( Opto Coupled / Isolated Input ).

Max. Digital Conversion Accuracy - **1/6°**.

Standard & Reverse **Turn Direction**.

Gyro Input **Failure Alarm**.

**Speed Log** ( 2 Wire Interface )

Input Format - **100** Pulses / NM., **200** Pulses / NM., **400** Pulses / NM. & **800** Pulses / NM.

Speed Range : **0.1** - **40** Knots.

Input Type - **Voltage Input** or **Contact Closure**.

Voltage Range - **5** to **45** Volts ( Opto Coupled / Isolated Input ).

Digital Conversion Accuracy - **0.1** Knots.

Distance **Reset Mode** Manual & Automatic.

Distance **Overflow Alarm**.



Contact Address (Office):

**ELEKTRONIK LAB**

R/13 Navroz Baug

Lalbaug

Mumbai 400012

INDIA

Telephone : +91 22 24715115  
23780787

Fax : +91 22 24710444

Email : [elab@vsnl.com](mailto:elab@vsnl.com)

Contact Address (Works):

**ELEKTRONIK LAB**

Ram Nagar Flat No. 3

Victoria Garden Road, Byculla (E)

Mumbai 400027

INDIA

+91 22 23730125 / 23702604 /

Web: [elektroniklab.co.in](http://elektroniklab.co.in)