

VPS

10-25-50Hz

VPS incorporates a high-precision GPS module that delivers data at frequencies between 10 and 50 Hz.



DynaLabs

VPS incorporates a high-precision GPS module that delivers data at frequencies between 10 and 50 Hz. It supports communication through CAN and USB interfaces with various devices and vehicles. The unit also provides a PPS (pulse-per-second) output for timing synchronization, along with an analog voltage output reflecting vehicle speed.



Features

- Accurate GPS data logging
Navigation update rate: 10, 25, 50 Hz Distance
- USB Interface output
- CAN Interface output
CAN Bus Controller integrated in MCU
Fully ISO 11898-compliant
Supports CAN 2.0A
Bit rate detection 500k Baud
- PPS (Pulse Per Second)
- Analog Out
Analog voltage Output relative to speed
- Accelerometer (in CAN)
MEMS Capacitive, Triaxial, $\pm 8g$
- Power supply
Power with USB or CAN
Power with external 12v supply
- Single GNSS antenna with heading, pitch and roll



Applications

- Automotive Testing & Validation
- Transportation & Fleet Monitoring
- Industrial & Mobile Machinery
- Research & Development (R&D)



DYNALABS MUHENDISLIK LTD STI
Ostim OSB Mah. 100 Yıl Bulvarı Ostim
No:55B/11 Yenimahalle 06374 Ankara
TURKEY

Phone: **+90 312 386 21 89**

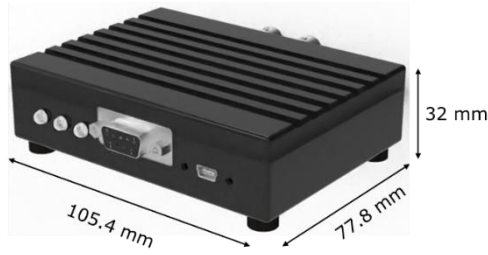
Mail: dynalabs@dynalabs.com.tr

Web: www.dynalabs.com.tr

DynaLabs

10-25-50Hz VPS

Technical Drawing:



VPS Module Overview:



Products	VPS-10	VPS-25	VPS-50
Update Rate	10 Hz	25 Hz	Up to 50 Hz
Accuracy (RMS)	0,05 m/s	0,05 m/s	0,08 m/s
Horizontal Accuracy	2,5 m	2,0 m	1,7 m
Hot Start	<1 sec.>	<2 sec.>	<2 sec.>
Cold Start	26 sec.	26 sec.	25 sec.

Units	Heading Accuracy	Operating Temperature	Maximum Velocity
Km/h	0,3 Degrees	-40 °C to + 85 °C	500 m/s

Supported Navigation Systems	Operating Voltage	Interface	Dimensions	Weight (without cable)
GPS, GLONASS, Galileo	Car Lighter	USB	107,4*104.2*27,3 mm	267 gr.



DYNALABS MUHENDISLIK LTD STI
Ostim OSB Mah. 100 Yıl Bulvarı Ostim
No:55B/11 Yenimahalle 06374 Ankara
TURKEY

Phone: +90 312 386 21 89

Mail: dynalabs@dynalabs.com.tr

Web: www.dynalabs.com.tr