

Product Name :
GPS Trainer for Vocational Training and Didactic Labs

Product Code :
ETKN-0004



Description :

Equipment for Education, Engineering and Vocational Training - Global Positioning System (GPS) navigation is becoming more common everyday. GPS Trainer will provide a basic understanding of the GPS Fundamentals, Satellites & Design Aspects of GPS Receiver by actually connecting to the Satellite by GPS Antenna.

Technical Specification :

The Equipment is Useful for Students in engineering / technical institutes (EC & Telecom) Technical training centres in communication organisations, R&D personal and practising engineering in research labs and industry.

Experiments that can be performed

01. Introduction of GPS

02. Establishing Link between GPS Satellite & GPS Trainer

03. Measurement of Latitude & Longitude

04. To Study Effect of DOP

05. Study of HDOP & VDOP

06. Analysis of Elevation Azimuth SNR

07. Study of PRN code

08. Study of Common NMEA Sentence Protocol like GPGGA, GPGLL, GPGSA, GPGSV, GPRMC, GPVTG

09. Study of other GPS NMEA Sentences like, GPALM, GPGRS, GPGST, GPMSS, GPZDA

10. Study of useful Conversion formulas

11. Study of UTC data and time

12. Study of NMEA 0183 Protocol

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