

GPS Receiver

Model: Delta-4



Main Feature:

- L band GPS satellite input
- Integrated high quality OCXO slaved to GPS input
- 4x10MHz frequency outputs,
- 4x1PPS time pulse outputs
- 3xTOD time and date outputs
- High frequency and time accuracy
- Very low phase noise
- Status information supervision on LCD
- Remote Web Browser control via RJ-45 port

Technical Specification:

GPS Receiver:

- ◆ L band 1575MHz
- ◆ 12 satellite tracking
- ◆ Connector BNC female

10MHz Frequency Output:

- ◆ Output level: 12dBm
- ◆ Output number : 4
- ◆ Connector: BNC female 50Ohm
- ◆ Accuracy: <1E-12(GPS locked, average 24 hours),
<5E-10(GPS unlocked, within 24 hours)
- ◆ Short stability: <1E-11@1s
- ◆ Phase noise: -80dB@1Hz, -120dB@10Hz,
-135dB@100Hz, -140dB@1KHz
-145dB@10KHz

1PPS Time output:

- ◆ Waveform: TTL
- ◆ Output number : 4
- ◆ Connector: BNC female 50Ohm
- ◆ Accuracy: +/- 30ns (GPS locked)
- ◆ Short stability: 5E-11@quoms, 5E-12@5s,
5E-11@10s

TOD Time output:

- ◆ Data Format: port 1 is compliant with GPGLA, GPRMC and HJSTA, port 2 and 3 are compliant with 8bit BCD code
- ◆ TOD Output number: 3
- ◆ Connector: DB9 female

System operation:

- ◆ Cold start up time: <1000 seconds
- ◆ OCXO drift learning algorithm
- ◆ GPS synchronization and slaving
- ◆ Status and alarm report

Accessories in option:

- ◆ Passive and active GPS antennas
- ◆ Line amplifier
- ◆ Lighting protection

Control & Monitoring:

- ◆ Status information from front panel LCD
- ◆ Remote control: Web browser control through RJ-45

Physical condition:

- ◆ Power supply: AC 220V+/-10%, 40W
- ◆ Operating temperature:0 to 50 degrees
- ◆ Storage conditions:-10 to 80 degrees,
- ◆ Humidity: 10% to 80% at 50 degrees
- ◆ Dimension:
W=483mm, H=44mm, L=540mm(1RU)
- ◆ Weight: Net 3 kg, Gross 5 kg

Front Panel and Back Panel View

