

Data Sheet VP-88U

GPS Receiver RS-232, VP-U88



Description

The receiver has a 7-pin connector. A suitable cable (15m) is supplied.

- Very robust
- Waterproof IPX7
- Sensitive: -160dBm
- RS-232 Interface
- Baud rate adjustable
- WAAS, EGNOS, MSAS, GAGAN
- Fast TTFF
- Standard NMEA-0183 Data
- Easy installation
- 1" female thread for rod mounting
- Kickstand included

Applications

The VP-88U is a sensitive and robust device particularly suitable for marine applications.

- Marine GPS
- Asset Tracking (tracking of assets and equipment)
- Surveillance systems

Data Sheet VP-88U



Specifications

Mechanical	
Construction	High-impact Polycarbonate
Receiver dimensions	80mm Diameter x 71,3mm height
Dimensions of stand	110mm x 70mm x 75,2mm height
Assembly	1"Internal thread
Communication	
Protocol	NMEA 0183 V4.0, UBX binary
Interface	RS-232
Records (configurable)	GGA, GLL, GSA, GSV, RMC, VTG Option ZDA
Update rate	1 Hz
Baud rate	4800 (standard) Adjustable up to 115200
Electrical data	
Supply voltage	8 ~ 35V
Electricity consumption	75 mA typical @ 12VDC
Receiver Performance	
Chipset	uBLOX
Type	GPS L1C/A
Channels	50 parallel
Sensitivity	(-164)dBm
SBAS	WAAS, EGNOS, MSAS, GAGAN
TTFF	
TTFF	Warm start: 1s typ. / Cold start 50s typ.
Positional accuracy	2.5m (50% CEP)
Max Height	50.000m
Environmental conditions	
Operating temperature	(-30)°C ~ +85°C
Storage temperature	(-40)°C ~ +85°C
Watertightness	IPX7 Waterproof

Pin#	Colour	Function (VP-88U)
1	White	RX: RS-232 Commands on
2	Green	TX: RS-232 NMEA data off
3	Yellow	Signal Mass
4	Braid	Shield Mass
5	Blue	-
6	Black	Current Minus
7	Red	Current Plus: 8V ~ 35V