

Features

- Extremely robust
- Waterproof
- Sensitivity: -160dBm
- RS-232 data output
- Adjustable Baud rate
- WAAS, EGNOS, MSAS, GAGAN
- Very fast TTFF
- Standard NMEA-0183 Data
- Simple Installation and Operation
- 1" Screw for pole-mounting
- Pedestal included



General

The VP-88U is a robust and compact GPS receiver especially suited for marine use, or in other situations where extreme weather conditions may be expected.

- Marine GPS
- Asset Tracking
- Überwachungssysteme

SPECIFICATIONS	
Mechanical	
Construction:	High-impact Polycarbonat
Dimensions Receiver:	80mm Durchmesser x 71,3mm hoch
Dimensions Pedestal:	110mm x 70mm x 75,2mm height
Weight:	150g (ohne Kabel)
Mounting:	1" internal thread
Kommunikation	
Protokoll:	NMEA 0183 V4.0, UBX binary
Schnittstelle:	RS-232
Datensätze (einstellbar):	GGA, GLL, GSA, GSV, RMC, VTG Option ZDA
Updaterate:	1 Hz
Baudrate:	4800 (standard) Einstellbar bis 115200
Electrical	
Power supply:	8 ~ 35V
Current:	75 mA typisch @ 12VDC
Receiver Performance	
Chipset:	uBLOX
Type:	GPS L1C/A
Channels:	50 parallel
Sensitivity:	-160dBm
SBAS:	WAAS, EGNOS, MSAS, GAGAN
TTF:	Warm start: 1s typ. Cold start 50s typ.
Position accuracy:	2.5m (50% CEP)
Height up to:	50.000m max
Environmental conditions	
Operating temperature:	-30°C ~ +85°C
Storage temperature:	-40°C ~ +85°C
Waterproofing:	IPX7 Wasserdicht

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

Connector Pinout

Pin#	Colour	Function (VP-88U)
1	White	RX – RS-232 Commands in
2	Green	TX – RS-232 NMEA Data out
3	Yellow	Signal ground
4	Braid	Shield ground
5	Blue	-
6	Black	Power Minus
7	Red	Power Plus: 8V ~ 35V

Errors and Omissions excepted.