



Marine GPS Locator

MODEL: VP-88K



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VP-88K is an outstanding high sensitivity Marine GPS receiver with fully waterproof structure, It is equipped with MTK-3301 GPS chipset and provides marvelous navigation performance under dynamic conditions in areas with limited sky view like urban canyons. It also has high sensitivity for weak signal operation without compromising accuracy. If 1PPS feature is needed, please specify the model, VP-88K.

Features:

- Excellent noise immunity
- Very Fast TTFF
- User selectable baud rate
- WAAS, DGPS, MSAS capable
- Easy installation / operation

Applications:

- Marine Navigation.
- Fleet Management.
- Mileage Management.
- Tracking devices/system.
- Data logging for marine Navigation.
- Mapping devices for PC & Pocket PC.
- Marine Navigation or touring devices.
- AVL and Location-Based service system.

Specifications:

Specifications	Parameter	Description
General		L1 frequency, C/A code (SPS), 32 Independent tracking channel
Sensitivity		-158dBm
Accuracy	Position	Without aid: 3.3m CEP DGPS(RTCM): 2.6m
	Velocity	0.1 Knot RMS steady state
Acquisition	Cold start	41 sec. (typical)
	Warm start	35 sec. (typical)
	Hot start	1 sec. (typical)
Reacquisition		100 ms typical (signal reacquisition)
Dynamics	Altitude	18000m max.
	Velocity	500 m/sec.
	Vibration	4G max.
Operation Temperature		-30° C to +80° C
Storage Temperature		-40° C to +85° C
Operating Humidity		0% to 95% RH, non condensing
Water Resistance		100% waterproof
Primary Power		8V ~ 35V DC
Power Consumption		34mA~44mA @ 12V DC
Protocol		NMEA-0183 v3.01 baud rate(adjustable) 4800/9600/19200/38400/115200, default 4800
Signal level		RS-232(standard)
NMEA Message	Default	RMC, GGA, GSV*5, VTG, GSA*5
	Optional	GLL, ZDA
	Update rate	1~5Hz
DGPS Capability		RTCM protocol
EMI filter		Rejects power line interference
SBAS		1 channel (support WAAS, EGNOS, MSAS)
Power cable		UL 2464/ 24AWG,15M
Enclosure		High impact, corrosion-proof polycarbonate resin
Connector		7 pin circular, hermetically sealed. Gold plated for anti-corrosion
Dimensions	GPS Locator	80mm(Dia.) × 71.3 mm(H)
	Mounting Base	110mm(W) × 70mm(L) × 75.2mm(H)
Weight		150 grams (without cable)

(*PS: The specification is subject to change without prior notice)