



Mini GPS Locator

MODEL: GM-44-UB

Extremely compact GPS locator with excellent software compatibility, providing real-time position fix via your palmtop/desktop PC or PDA.

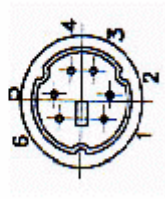
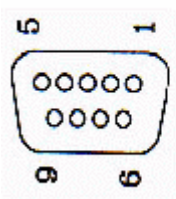


Our **GM-44-UB** locator comes up with a new generation GPS solution. When integrated with your computer, **GM-44-UB** provides you with real-time position fix for your vehicle, helping guide you to your destination. The **GM-44-UB** mobile locator is a low cost/ high quality GPS solution for **AVL, Fleet Management System** and **Marine Navigational Aid**. The unit is a single GPS Receiver/Antenna in a low profile, waterproof and robust enclosure with magnetic/bolt mount. It interfaces to a RS-232 or a USB serial comm port of your computing device that utilizes NMEA 0183 data output sentences.

The **GM-44-UB** Mobile Locator provides real time GPS position, speed, distance travel and heading information in the NMEA-0183 format (such as GPRMC, GPGGA, GPGSV, GPGLL and GPGSA) to your portable PC, PDA or Palmtop.

DB09 Female

DIN-6PIN



<u>pin1=n/c</u>	<u>pin1=n/c</u>
<u>pin2=TXA</u>	<u>pin2=GND</u>
<u>pin3=RXA</u>	<u>pin3=n/c</u>
<u>pin4=n/c</u>	<u>pin4=n/c</u>
<u>pin5=GND</u>	<u>pin5=+5VDC</u>
<u>pin6=n/c</u>	<u>pin6=n/c</u>
<u>pin7=n/c</u>	
<u>pin8=n/c</u>	
<u>pin9=n/c</u>	



Specifications

PHYSICAL CONSTRUCTION		PERFORMANCE		
Dimension	56mm (Diameter) x 28 mm (Height)	Built-in Antenna element	High-reliability ceramic patch	
Weight	87 grams	Sensitivity	-150dBm	
		SBAS	Support WAAS, EGNOS	
Receiving frequency	1575.42MHz, C/A code	Receiver architecture	50 parallel channels	
Enclosure	High impact, corrosion-proof	Start-up time	1.0 sec. typical (hot start) 32.0 sec. typical (warm start) 32.0 sec. typical (cold start)	
Mounting	Permanent/Pole mount	Position accuracy	Autonomous	<2.5 m
			DGPS (WAAS, EGNOS)	<2.0 m
Construction	Fully waterproof structure	Velocity accuracy	0.1 M/S	
ENVIRONMENTAL CONDITIONS		Update Rate	1Hz standard	
Temperature	Operating: -30°C ~ +75 °C	Power Supply	USB 5V	
	Storage: -40 °C ~ +85 °C		RS-232 5V or 8-35V (Optional)	
COMMUNICATION		Power Consumption	61 mA for USB. 63mA for RS-232	
Protocol	NMEA, UBX binary	Baud Rate	Default at 4800bps 2400/4800/9600/38400/57600/115200 bps are selectable by using utility	
Signal level	USB or RS-232			
INTERFACE CAPABILITY		POWER CABLE		
Standard Output Sentences	GGA*5, GSV*5, GGA, RMC, VTG	Length	5m	

This specification is subject to change without prior notice...