



Mini GPS Locator

MODEL: GM-44-S

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

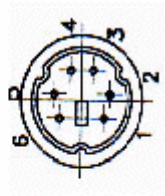
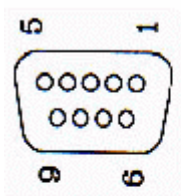


Our **GM-44-S** locator comes up with a new generation GPS solution. When integrated with your computer, **GM-44-S** provides you with real-time position fix for your vehicle, helping guide you to your destination. The **GM-44-S** mobile locator is a low cost/ high quality GPS solution for **AVL, Fleet 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-44S** 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	85 grams (+ 5% ~ 10% or 10 ~ 20 grams) without cable	Sensitivity	-159dbm	
		SBAS	Support WAAS, EGNOS, MSAS	
Receiving frequency	1575.42MHZ, C/A code	Receiver architecture	20 parallel channels	
Enclosure	High impact, corrosion-proof	Start-up time	0.1 sec. typical (hot start) 35 sec. typical (warm start) 42 sec. typical (cold start)	
Mounting	Permanent/Pole mount	Position accuracy	Without aid	10.0 m, 2D RMS
			DGPS (WAAS, EGNOS, RTCM)	5.0 m, 2D RMS
Construction	Ultrasonic welded, fully waterproof	Max. Velocity & Altitude	518 m/s; 18000m	
ENVIRONMENTAL CONDITIONS		Update Rate	1Hz	
Temperature	Operating: -30 ~ +75 °C	Power Supply	DC 5V from USB	
	Storage: -40 ~ +85 °C		DC 5V from PS-2 DC 8V ~ 35V from cigar charger provided	
COMMUNICATION		Power Consumption	Acquisition	100mA
			Tracking	80mA
Protocol	NMEA(RS-232) NMEA ,UBX binary, RTCM(USB)	Baud Rate	4800 bps	
Signal level	USB or RS-232			
INTERFACE CAPABILITY		POWER CABLE		
Standard Output Sentences	GGA, RMC, GSV, GSA	Length	5m	

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