Manuals+ — User Manuals Simplified.

ELING 106-00305-01 Multi Functional Gauge with LCD Hour Meter

ELING 106-00305-01 Multi Functional Gauge with LCD Hour Meter Owner's Manual

Contents

ELING

ELING 106-00305-01 Multi Functional Gauge with LCD Hour Meter

Product Information

Specifications

- Operating Voltage: 9~32VDC
- Operating Current: 150mA
- Operating Temperature: -30~+75°C
- Storage Temperature: -40~+85°C

Product Usage Instructions

Installation

Before installation, follow these steps:

1. Open a hole in the panel with a diameter of 85~87mm.
2. Ensure there is a space of 70mm behind the panel.

GPS Installation

For GPS installation:

- GPS should be installed in front or in reverse based on the requirements.
- Avoid using materials that can shield GPS signals.

Multifunction Usage

For multifunction usage:

- Range of tachometer: 0~9999 RPM
- Range of speed: 0~999 km/h, MPH, Knots
- Range of water temperature: 40~120°C (104~248°F)
- Range of fuel: 0-100%

FAQ

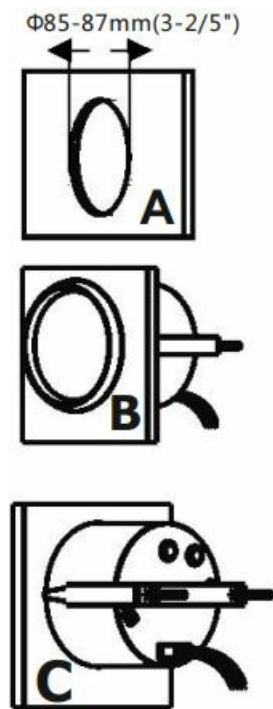**Common Issues and Solutions**

Error Codes:

- **E01:** GPS signal not found.
- **E02:** GPS signal lost midway.
- **E03:** Device malfunction.

Operation Tips:

- To enter setting mode, hold the button for 3 seconds.
- To switch the speed unit, quick press the MODE button.
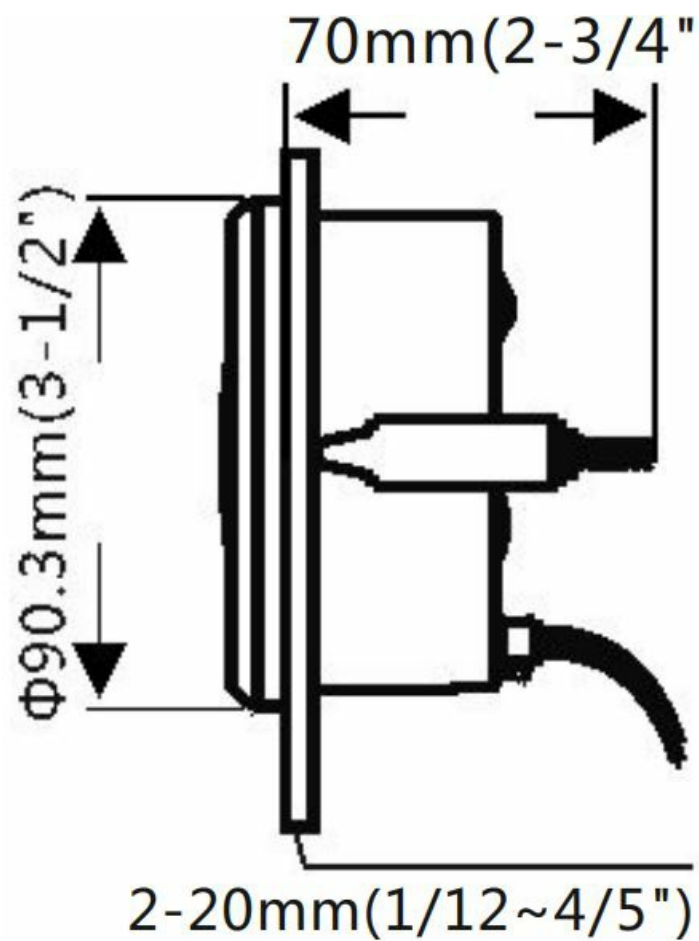- Trip mileage will be reset when the power is off by default.

OWNER'S MANUAL

- Pic A Before installation , firstly ,to open a hole (Dia:85~87mm) of the panel, make sure there is a space with (70mm backyard of panel) as well
- PicB: Put the gauge in the hole
- Pic C: Using M4 nut and C type bracket to seal up the gauge

Φ85-87mm(3-2/5")
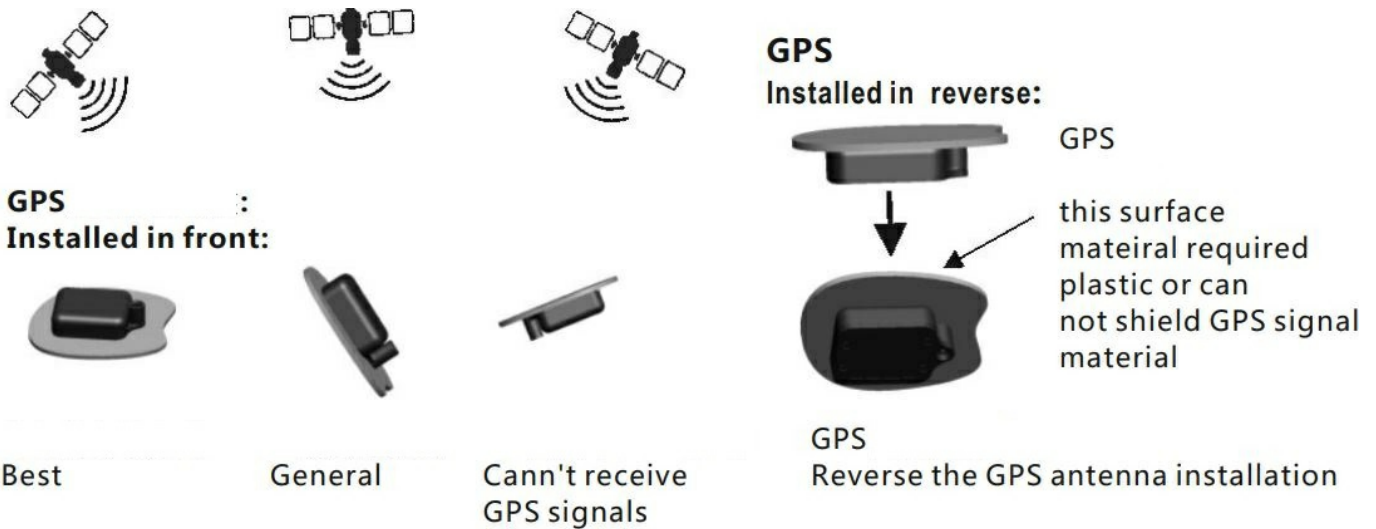

Specification

- **Operating Voltage** 9~32VDC
- **Operating current** ≤150mA;
- **Operating temperature -**30~+75℃
- **Storage temperature -**40~+85℃

70mm(2-3/4"

Φ90.3mm(3-1/2")

2-20mm(1/12~4/5")

PRODUCT OVERVIEW

/Fuel

Voltmeter

GPS signal

GPS速度表/GPS Speedometer

转速表/Tachomoter

数字罗盘
COG

压力表/Oil Press.

水温表 Water Temp.

小计时
Hourmeter

总里程/ODO

小计里程/Trip

GPS installation instructions

GPS
Installed in reverse:

GPS

GPS
Installed in front:

this surface
mateiral required
plastic or can
not shield GPS signal
material

Best   General   Cann't receive
GPS signals

GPS
Reverse the GPS antenna installation

Multifunction Instruction

1. Range of tacho:0~9999 RPM

2. Range of speed:0~999 km/h MPH, Knots

3. Range of water temp :40~120℃(104~248F)

4. Range of fuel: 0-100%

5. Range of pressure 0~5bar 0~10bar 0-100Psi/0-150Psi

6. Range of ODO 0~99999.9 km miles knots

7. Range of hours 0~99999.9 hours

8. Range of trip 0~999.9 km/h MPH,Knots

9. Range of Volt: 8-32V

Speed ratio :

1. Range of speed ratio:1.0-300.0;
2. If your transmitter is installed on the flywheel,come from w point signal, the ratio value is equal to half electrodeplate (Poles/2). If it is the gasoline engine, the speed ratio is equal to the number of cylinders (cylinder/2)

Typ tting reference:

Outboard		Intboard or Gas engine			Diesel engine	
poles	speed ratio	cylinder	cycle	speed ratio	Gear number	speed ratio
4	2	4	4	2		
6	3		4	3	speedratio=Gearnumber	
8	4	8	4	4		
10	5	60	4	5		
12	6	12	4	6		

H-0960.

The set speed ratio=96

Wires Connecting

接线:
1、红色线--+9-32VDC
2、绿色线--转速信号
3、橙色线--油位信号
4、黑色线--电源负极（-）
5、紫色线--温度信号
6、灰色线--压力信号

Connection:
1、Red --+9-32VDC
2、Green--Tachometer Signal
3、Orange--Fuel Signal
4、Black--Ground（-）
5、Purple--Temp. Signal
6、Gray--Press. Signal

Press. sensor 压力传感器　Temp.sensor 温度传感器　level sensor 液位传感器　Speed sensor 转速传感器　Alternator 交流发电机

E 接线图
Wires Connecting
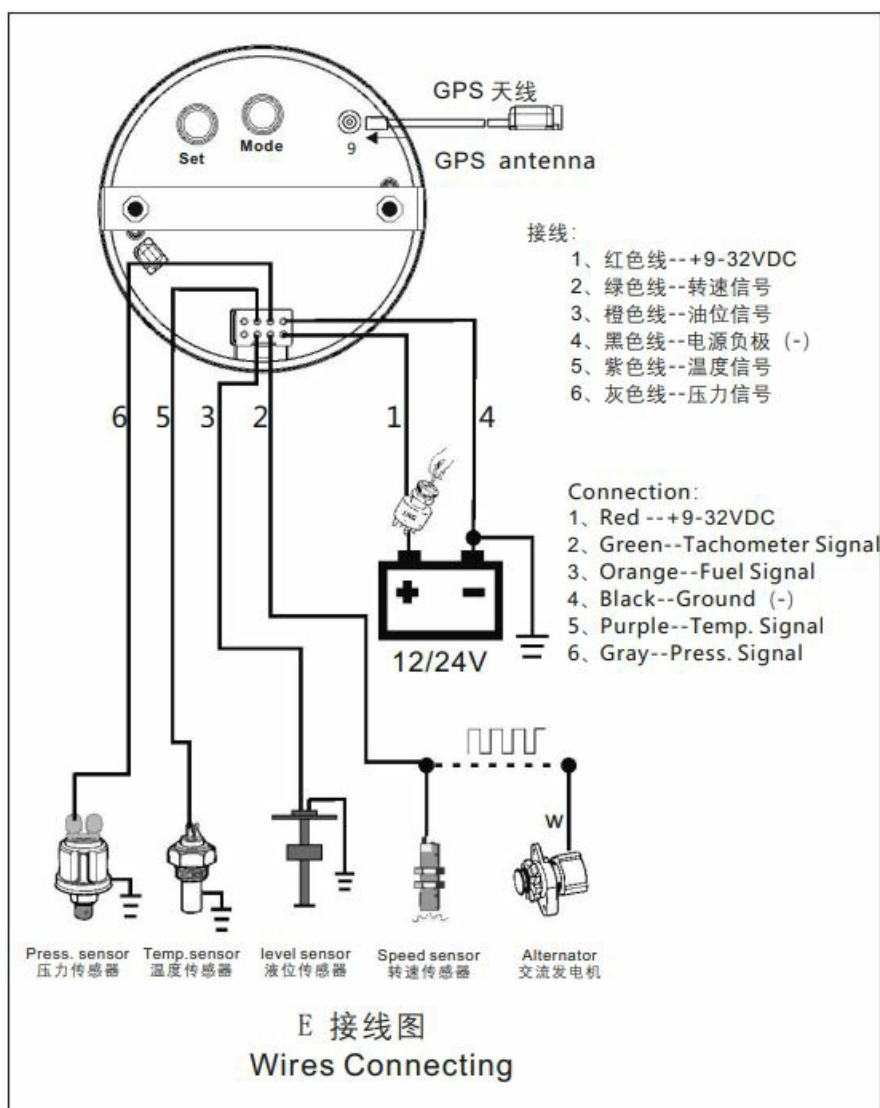
GPS Speedometer

1. Power on, to finish the connection as in picture E
   Firstly, the GPS speedometer will start searching GPS signal input, within 0 to 300 seconds counting.If the

device cannot find any GPS signal within 300 seconds, there will be an error code "E01" indicating. If the device loses its GPS signal input, then it will restart to search again, if it cannot found any GPS sign input in the following 300 seconds, there will be an error code "E02" indicating. But, generally, the device will read GPS signal input and then be ready for work.

2. The speed unit(MPH(default)→Km/h → Knots) could be switched by quick pressing the MODE button, then recorded.
   TRIP: Subtotal mileage, data wil be reset when power off as default ODO: Total mileage, data will be recorded when power off

3. Error Code
   E01 : The GPS signal could not be found E02 : The GPS signal was lost midway. E03 : Malfunction of the device

Operation

1. **Button.**
   a. Firstly, hold the button (≥3 seconds) to entry setting mode, Hourmeter parts: Y-XXX.X digital Y,)to quick press(≤2 seconds) the Set button to have the digital Y indicating from 0~14 cycle
   b. At this time, user holds the Mode button again, the digital XXX.X will increase; If user releases then hold the Mode button again, the digital XXX.X will decrease repeatedly.
   c. Please refer to the below parameter group,and set all the features/value /functions required, all data will be recorded will be recorded if you release both Mode and Set buttons (≥3 seconds)
   d.Quick press the Mode button to switch the speed unit MPH(default) →Km/h→Knots
   **Example**
   Value 2-0001– Water temperature gauge
   Value 1-096.0– Speed ratio was set as 96.0

Parameter Group

Parameter Group				
	Value		Technical Data/Feature	Remarks
	Y	-XXX.X		
Tachometer	1	-001.0~300.0	1.0-300.0	Speed ratio range
Water temperature gauge	2	-0000	291.5~22.4 Ω	Default
	2	-0001	301-23 Ω	
	2	-0002~0009	Reserved	
Oil pressure gauge	3	-0000	10-184 Ω	Default(5bar)
	3	-0001	10-184 Ω	Indicating0-10Bar
	3	-0002	240-33 Ω	Indicating0-100PSI
	3	-0003	240-33 Ω	Indicating0-150PSI
	3	-0004~0009	Reserved	
Fuel level gauge	4	-0000	0-190 Ω	Reserved
	4	-0001	0-180 Ω	
	4	-0002	10-180 Ω	
	4	-0003	240-33 Ω	
	4	-0004	240-30 Ω	
	4	-0005~0009	Reserved	
Voltmeter	5	-0000	8-32V	Device could identify the 12V/24V system automatically
Trip	6	-0000	Data will NOT be recorded	Reserved
	6	-0001	Data will be recorded	
	7		Reserved	
Reset	8	-0000~0008	Reserved	
	8	-0009	ODO reset	
	8	-0010	Total hours reset	
	9		Reserved	
	10		Reserved	
Temperature alarm setting	11	-040~-250	The icon will be flickering when the temperature≥ appointed value	Setting from 40~120 ℃ or 40-250°F
Oil pressure alarm setting	12	-000~-100	The icon will be flickering when the oil pressure≤ appointed value	Setting from 0~10bar or 0-100psi
NOTE: Both unit of alarm value and indication should be synchronous				
Fuel level alarm setting	13	-000~-100	The icon will be flickering when the fuel level ≤ appointed value	Setting from 0~100%
Temperature unit switch	14	-000	Celsius equals(℃)	
	14	-001	Fahenheit equals(℉)	

NOTE:

1. The icon will be flickering when the alarm was triggered
2. For volmeter: a, 12V system — the icon will be flickering when the input voltage ≤ 11.3 V b, 24V system — the icon will be flickering when the input voltage ≤ 22.6 V
3. The device could identy its input power is 12V or 24 V automatically

Documents / Resources
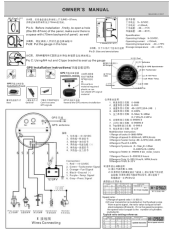
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106-00305-01 Multi Functional Gauge with LCD Hour Meter, 106-00305-01, Multi Functional Gauge with LCD Hour Meter, Functional Gauge with LCD Hour Meter, Gauge with LCD Hour Meter, LCD Hour Meter

References

- **User Manual**