HONDA MARINE

DIGITAL SPEEDOMETER
Operation Guide

HONDA

SPEED

188 km/h mph knots

S P *8888* mile V mpg km/L gph L/h

BATT TRIP TTL ECO FLOW

set   mode

INTRODUCTION

Congratulations on your selection of a Honda digital speedometer. We are certain you will be pleased with your purchase of one of the finest digital gauges on the market.

We want to help you get the best results from your new gauge and to operate it safely. This publication contains information on how to do that; please read it carefully.

This publication only contains information relative to the use of the digital speedometer. Please refer to your owner's manual for information concerning the operation of your outboard motor.

This Honda digital speedometer is designed to be used exclusively with specific Honda outboards. Other uses could result in damage to the gauge or the equipment that it is connected to.

FUNCTIONS

Digital Speedometer includes the following functions:
- Speedometer
- Fuel Level Meter
- Volt Meter
- Tripmeter
- Fuel Integration Meter
- Fuel Economy Meter
- Fuel Flow Meter
- Water Separator Indicator

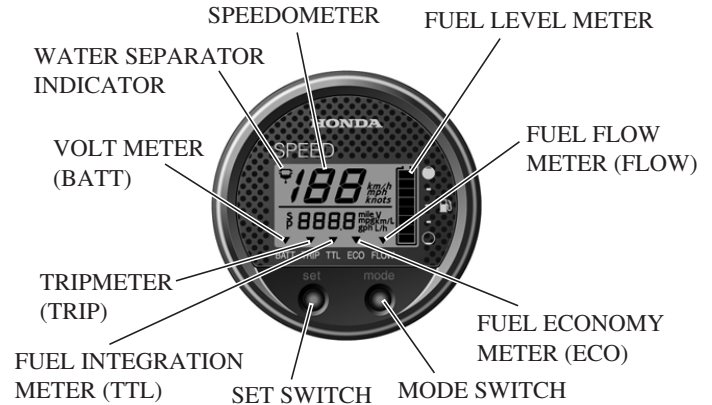The displays are common (selected by pressing the Mode switch)

The indicated speed can be displayed in three ways, "mph", "km/h" or "knots" according to your preference. Please see your authorized Honda marine dealer in order to change this setting. When selecting "knots", the "miles" displayed will be "nautical miles".

Display Check

The digital speedometer is turned ON when the ignition key of the outboard motor is moved to the ON position. After the ignition is turned ON, the meter will show all the displays for about 2 seconds, then returned to the normal display.
If the displays blink after the ignition key was moved to the ON position, turn the ignition key OFF without operating the digital speedometer. Failure to turn the ignition key OFF will lead to an erroneous display.
Consult your authorized Honda marine dealer for advice if the digital meter fails to work properly.

SPEEDOMETER FUEL LEVEL METER
WATER SEPARATOR INDICATOR
VOLT METER (BATT)
FUEL FLOW METER (FLOW)
TRIPMETER (TRIP)
FUEL INTEGRATION METER (TTL)
SET SWITCH MODE SWITCH
FUEL ECONOMY METER (ECO)

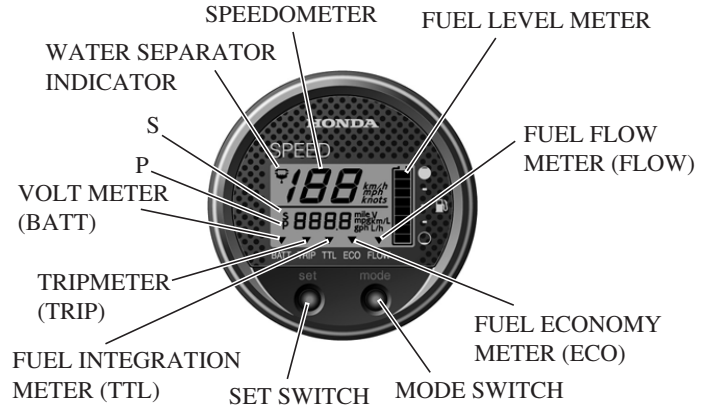## Single Outboard Motor Operation

Speedometer	Shows the speed of the boat on the water.
Fuel Level Meter	Shows the amount of fuel left in the fuel tank of the boat. The fuel reading can be affected by the position of the sensor in the fuel tank and the attitude of the boat in the water. Operation with bow-up trim or continuous turning can give incorrect readings. • When all block bars light, this indicates that the fuel tank is full. The lowermost block bar will blink when the fuel level is low. • The block bars will not light or blink when the digital speedometer's fuel meter is not used.
Volt Meter (BATT)	Shows the battery voltage. The engine cannot be started if the voltage too low.
Tripmeter (TRIP)	Shows mileage per trip on the water. Display is reset by pressing and holding the Set and Mode switches at same time.
Fuel Integration Meter (TTL)	Indicates the total amount of fuel flow. • Display is reset by pressing and holding the Set and Mode switches at same time. • Display is indicated by a bar, not by figure, when the total amount of fuel flow is low such as at idling or when trolling, and after resetting the meter or placing the meter into service for the first time.
Fuel Economy Meter (ECO)	Shows the mileage per volume of fuel consumed on the water. Display is indicated by a bar, not by figure, when the fuel consumed is low such as at idling or when trolling.
Fuel Flow Meter (FLOW)	Indicates the amount of fuel flow per hour. Display is indicated by a bar, not by figure, when the fuel flow is low such as at idling or when trolling.

		Normal	Abnormal
Water Separator Indicator	The indicator blinks when water has accumulated in the water separator of the outboard motor. See your owner's manual for additional information.	(No indication)	(Blinks)

Dual Outboard Motor Operation

The digital speedometer must be connected to both motors to provide both starboard "S" and port "P" functions. The "Fuel Integration Meter (TTL)", "Fuel Economy Meter (ECO)", and "Fuel Flow Meter (FLOW)" can be selected for each outboard motor. Select "S", "P", or "S&P" by pressing the Set switch.

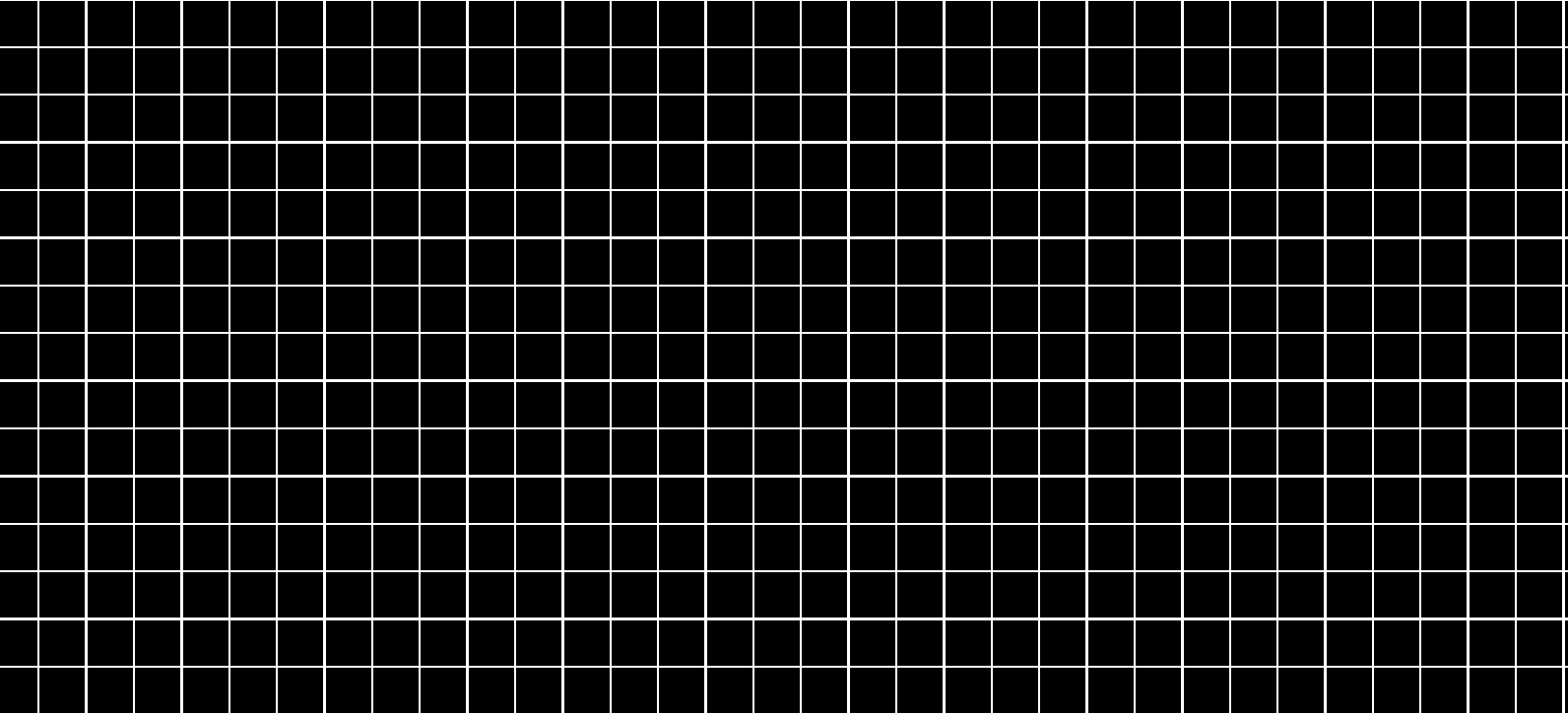| S	STARBOARD side outboard motor (Right side of boat)
P	PORT side outboard motor (Left side of boat)
S & P	S&P Total of both motors

The "Volt Meter (BATT)" and "Water Separator Indicator" will only display information for one outboard motor.

SPEEDOMETER
FUEL LEVEL METER
WATER SEPARATOR INDICATOR
S
P
FUEL FLOW METER (FLOW)
VOLT METER (BATT)
TRIPMETER (TRIP)
FUEL ECONOMY METER (ECO)
FUEL INTEGRATION METER (TTL)
SET SWITCH
MODE SWITCH

Speedometer	Shows the speed of the boat on the water.
Fuel Level Meter	Shows the amount of fuel left in the fuel tank that it is connected to. The fuel reading can be affected by the position of the sensor in the fuel tank and the attitude of the boat in the water. Operation with bow-up trim or continuous turning can give incorrect readings. • When all block bars light, this indicates that the fuel tank is full. The lowermost block bar will blink when the fuel level is low. • The block bars will not light or blink when the digital speedometer's fuel meter is not used.

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Volt Meter (BATT)	Shows the battery voltage . The engine cannot be started if the voltage is too low.
Tripmeter (TRIP)	Shows mileage per trip on the water. Display is reset by pressing and holding the Set and Mode switches at same time.
Fuel Integration Meter (TTL)	Indicates the total amount of fuel flow. • Display is reset by pressing and holding the Set and Mode switches at same time. The procedure will only reset the outboard motor information currently displayed: S (starboard), P (port), or S&P (starboard and port). If necessary, use the Set switch to select either S, P, or S&P (p.4) prior to resetting the meter. • Display is indicated by a bar, not by figure, when the total amount of fuel flow is low such as at idling or when trolling, and after resetting the meter or placing the meter into service for the first time.
Fuel Economy Meter (ECO)	Shows the mileage per volume of fuel consumed on the water. Display is indicated by a bar, not by figure, when the fuel consumed is low such as at idling or when trolling.
Fuel Flow Meter (FLOW)	Indicates the amount of fuel flow per hour. Display is indicated by a bar, not by figure, when the fuel flow is low such as at idling or when trolling.

		Normal	Abnormal
Water Separator Indicator	The indicator blinks when water has accumulated in the water separator. Only one outboard can be connected to the water separator indicator. See your owner's manual for additional information.	(No indication)	(Blinks)

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DIGITAL TACHOMETER
Operation Guide

INTRODUCTION

Congratulations on your selection of a Honda digital tachometer. We are certain you will be pleased with your purchase of one of the finest digital gauges on the market.

We want to help you get the best results from your new gauge and to operate it safely. This publication contains information on how to do that; please read it carefully.

This publication only contains information relative to the use of the digital tachometer. Please refer to your owner's manual for information concerning the operation of your outboard motor.

This Honda digital tachometer is designed to be used exclusively with specific Honda outboards. Other uses could result in damage to the gauge or the equipment that it is connected to.

FUNCTIONS

Digital Tachometer includes the following functions:
• Tachometer
• Hour Meter
• Trim Meter
• Oil Pressure Indicator
• Overheating Indicator
• Alternator (ACG) Indicator
• Programmed Fuel Injection (PGM-FI) Indicator

Display Check

The digital tachometer is turned ON when the ignition key of the outboard motor is moved to the ON position. After the ignition is turned ON, the meter will show all the displays for about 2 seconds, then returned to the normal display.
If the displays blink after the ignition key was moved to the ON position, turn the ignition key OFF without operating the digital tachometer. Failure to turn the ignition key OFF will lead to an erroneous display.
Consult your authorized Honda marine dealer for advice if the digital meter fails to work properly.
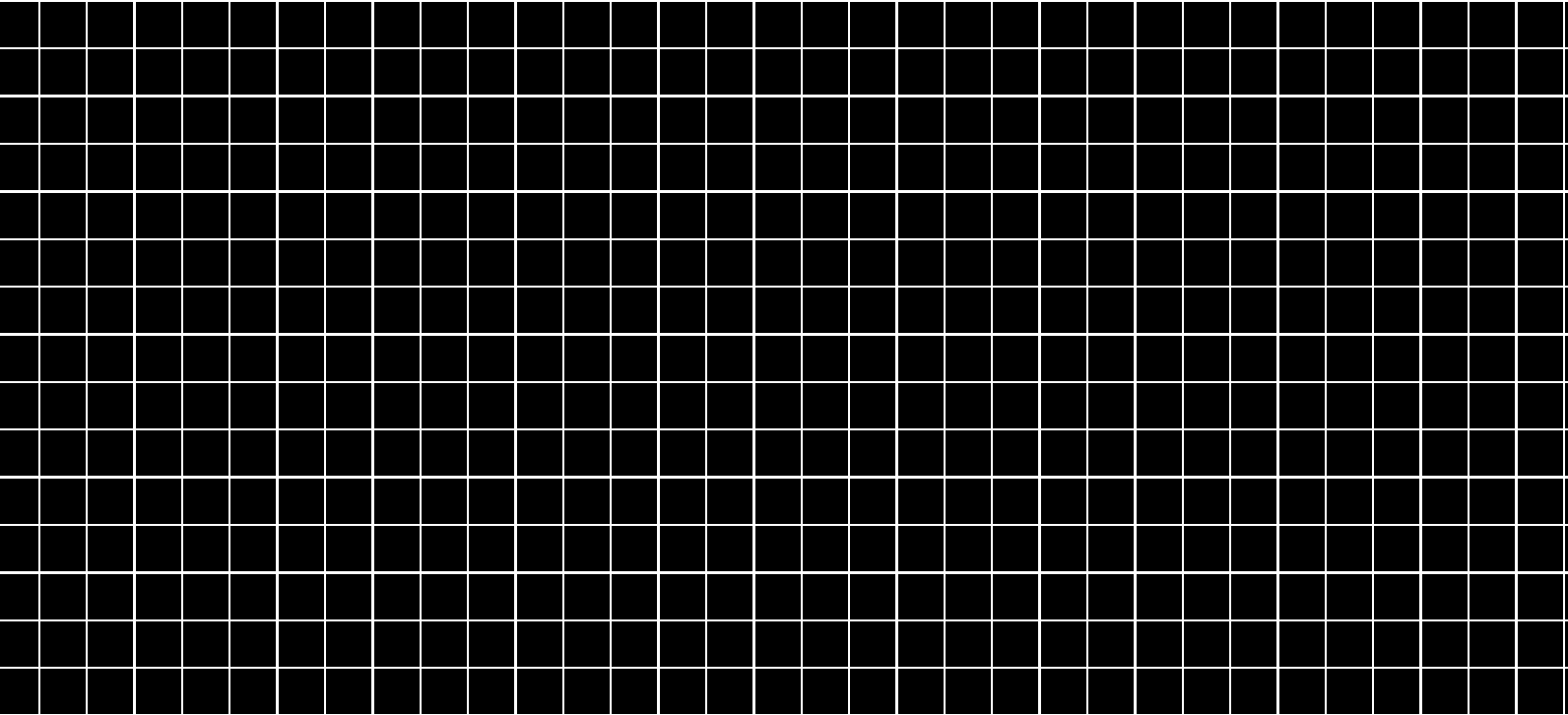
Tachometer		Shows the engine speed per minute.
Hour Meter		Shows the total number of hours the engine has operated. Total hours and trip hours are indicated alternately as the Mode switch is pressed. Trip hour meter is reset by pressing and holding the Set and Mode switches at same time. Total operating hours cannot be reset.
Trim Meter		Shows the trim angle of the outboard motor. The figures shown on the sides of the bars are for reference and are relative to the motor trim angle. Memorize the trim angles that work best for your boat under different conditions. Adjust the trim angle by operating the power trim/tilt switch. • The uppermost bar will blink when the motor is trimmed beyond the maximum trim angle and into the tilt angle range. Be sure to operate the outboard motor at proper trim angle.
Oil Pressure Indicator	*1	"●" will be indicated when the oil pressure is normal while the engine is running. "●" will disappear if oil pressure becomes low. (Further, the engine speed will slow down gradually according to the outboard motor's engine protection system. See your owner's manual for additional information.)
Overheating Indicator	*2	"▼" will be indicated if there is any abnormality in the engine cooling system while the engine is running. (Further, the engine speed will slow down gradually according to the outboard motor's engine protection system. See your owner's manual for additional information.)
Alternator (ACG) Indicator	*3	"▼" will be indicated if there is any abnormality in the charging system while the engine is running.
Programmed Fuel Injection (PGM-FI) Indicator	*4	"▼" will be indicated if there is any abnormality in the PGM-FI System while the engine is running.

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