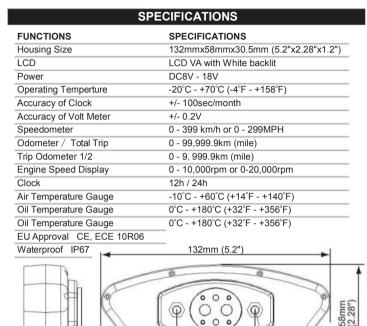
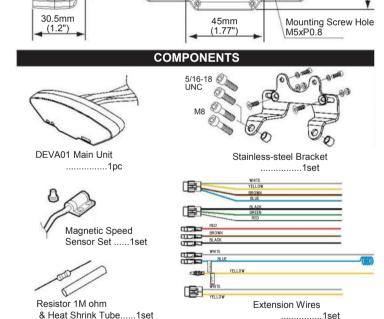
2020051

"DEVA01" Multifunction Cockpit offers you "ALL IN ONE".

All the necessary functions are included in a compact housing (132Lx58Wx30H mm / 5.2Lx2.28Wx1.2H inch). Designed to be used on motorcycles and ATV's regardless of whether or not the vehicle generates electrical speed signal, since a reed sensor is included in the kit

Two screw holes(M5) on the back of the housing offers many mounting options. The included stainless steel bracket can be used for any type of handle post with a pitch of 63mm to 112mm





ACAUTION

Read all instructions before use.

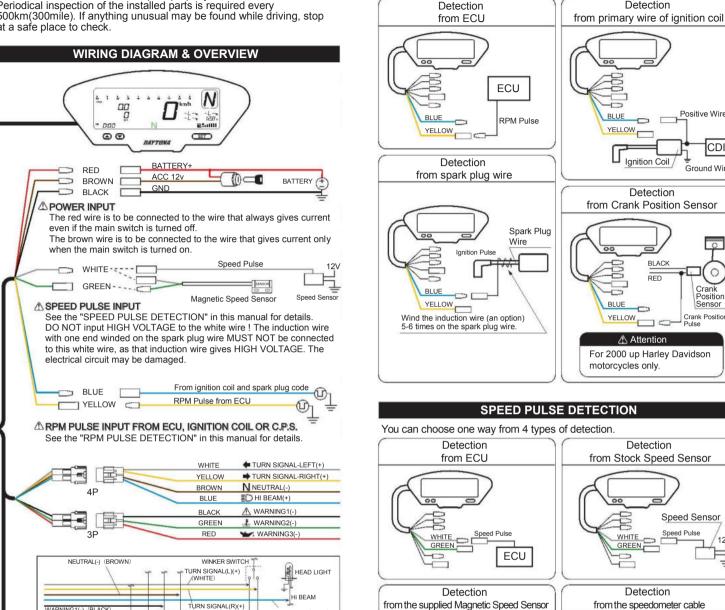
damaged

- 2. Disconnect the ground wire from the negative post of vehicle's battery before installation.
- 3. Use DEVA01 computer for the intended purpose of use
- 4. DO NOT disassemble DEVA01 computer. It may be damaged and water may come in
- 5. DO NOT leave DEVA01 computer under the sunlight when not used 6. Avoid contact with gasoline, brake fluid or other chemicals. It may be
- 7. For motorcycles that do not generate electrical speed pulse, use the supplied Magnetic Speed Sensor Set or a device(separately sold) that turns mechanical speedometer cable movement into electrical pulse.
- Removing the original speedometer may impair some original functions such as turn signal auto canceller, igniter and/or immobilizer
- 9. Designed for a 12 volt system. DEVA01 does NOT work with a 6 volt system or a battery-less system.

CAUTION

- 10.Be sure that DEVA01 displays the right speed before used on street. 11.DO NOT hit, drop or give a shock on DEVA01 main unit. It may be damaged due to a precision part.
- 12. Rubber mounting is recommended for vehicles with much vibration
- 13. After installation, check to see if all the parts are correctly installed, and see if all the screws are torqued properly.

 14.Periodical inspection of the installed parts is required every
- 500km(300mile). If anything unusual may be found while driving, stop



Hi BEAM(+) (BLUE

FUEL SENSOR

100/250/510 ohm

YELLOW) WINKER (L) WINKER (R)

NEUTRAL SWITCH

Indicator wires are to be connected according to the above diagram.

The fuel sensor wire from the vehicle is to be connected to the white

TEMP1(OIL temp.)

TEMP2(WATER temp.)

TEMP3(AIR temp.)

wire from the main unit, and the ground wire does the yellow wire

Need to purchase a temp. sensor(an option) in order to display

air/water/engine oil temp. The sensor is to be attached to the vehicle as

per the instruction in "OPTIONAL PARTS" in this manual. DO NOT

use the other temp. sensor available on the market since the value of

The (-) input line lights up when connected to ground

Works with a 100, 250 or a 510-Ohm fuel sensor

The (+) input line lights up when connected to 12 VDC

OIL PRESSURE SW

△ FUEL GAUGE

from the main unit

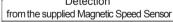
RED BROWN

BROWN UNUSED

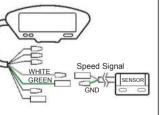
△AIR/WATER/ENGINE OIL TEMP!

resistance may be different.

A INDICATOR WIRE CONNECTIONS



For vehicles that DO NOT generate electrical speed pulse, use the supplied magnectic speed sensor

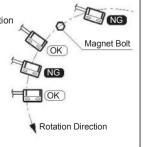


Speed Sensor & Magnet Installation

MAX 8mm

- 1. Align the center of the magnet to either of sensor marking line.
- 2.Installing the sensor parallel to the vibration direction creates optimal anti-vibration effect. 3. Make sure the gap between the magnet and the
- sensor is within 8mm. Magnet

SENSOF



GND (BLACK)

Converter(option)

RPM PULSE DETECTION

DO NOT detect two or more different

right engine speed

pulses. DEVA01 DOES NOT display the

Detection

Ignition Coil

Detection

BLACK

RED

Detection

Detection

electrical pulse. Install the converter

Need to purchase and install a

converter (an option) that turns

mechanical movement into

to pick up electrical pulse.

Mete

Gear

MAX 8mm t

Marking Line

0

Positive Wire

CDI

0

Crank Position Sensor

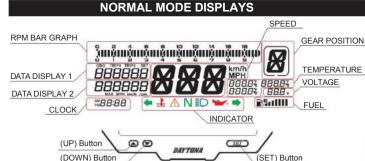
Crank Position Pulse

Speed Sensor

Ground Wire

You can choose one way from 4 types

of detection



Icon instructions

(IP) button

: Hold down (UP) button for 2 seconds.

Press (DOWN) button : Hold down (DOWN) button for 2 seconds. SET : Press (SET) button

: Hold down (SET) button for 2 seconds.



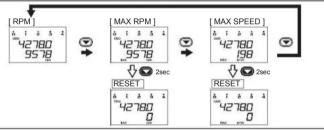
ODOMETER 1 . MILEAGE]: "42780 _9578 9578 9578 190 9578 14278D _9578 公 √ 2sec 2sec **2** 2sec NON RESETTABLE RESET RESET 1 2 3 1 4 5 00 9578 9578 [RESETTABLE MILEAGE SETUP] ※To set the start at an arbitrary 142 180 95 18 000000 100000 9578 9578

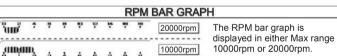
Flashing digit is changeable. Press (UP)/(DOWN) to modify.

Press (SET) to fix and Continue this operation go to the next digit setting. until the last digit is input

34278.0 is sample SET 2sec NORMAL MODE

DATA DISPLAY 2

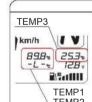




GEAR POSITION

Displays gear position

Displays geal position. For gear setting, both Speed pulse & RPM pulse must be detected May need to purchase optional parts for some vehicles. Display range: N, 1,2,3,4,5,6

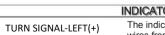


TEMPERATURES TEMP 1/2

Displays water/engine oil temp. The temp. sensor (an option) needs to be attached to the designated wires from the main unit. The temp. range is from 0 to 180 Celsius or from 32 to 356

Displays ambient temperature. The temp. sensor (an option) needs to be attached to the designated wires from the main unit. The temp, range is from -10 to 60 Celsius or from 14 to 140 Fahrenheit.

*"-L-" or "-H-" is displayed when the temperature is lower or higher than the range.



TURN SIGNAL-RIGHT(+) NEUTRAL(-) HI BEAM(+) WARNING1(-) WARNING2(-)

WARNING3(-)

wires from the vehicle

The (+) input line lights up when connected to

12 VDC

CLOCK

B) 5.11111

The indicators go on if connected to the proper * The (-) input line lights up when connected to

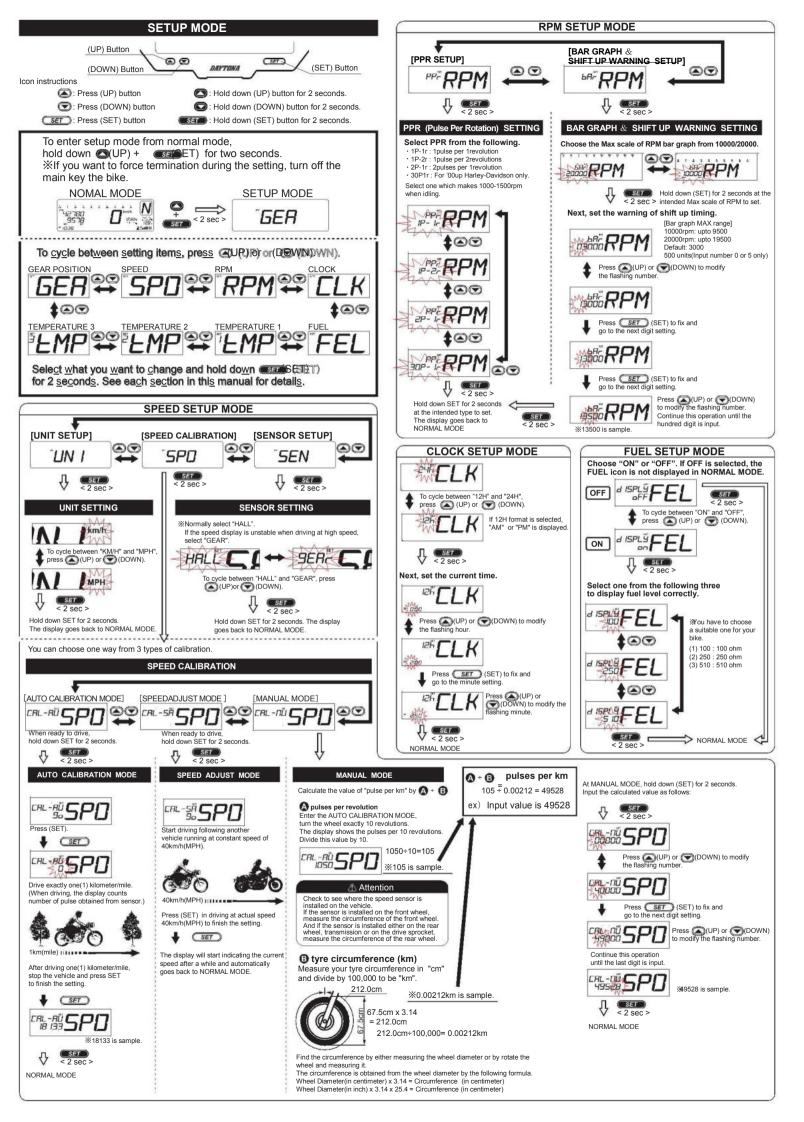
ground

* WARNING1/2/3 connects to warning indicator TW sensor, oil pressure SW.

The clock is displayed

in either 12H or 24H format.

V Displays remaining fuel level when connected to a fuel sensor. Works with a 100, 250 or 510-Ohm fuel sensor



GEAR POSITION SETUP MODE

- Before gear setting, both SPEED & RPM SETUP must be done first.
- •Either front wheel or rear wheel from which speed pulse is detected must rotate Set each gear while driving in a safe place.

 •During setting each gear, keep 2,500 ~ 5,000rpm with connecting clutch.
- •For resetting of each gear, turn the main key off and try again from the start.

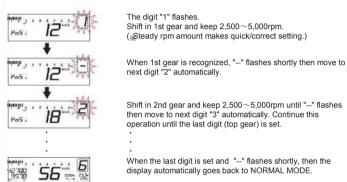
type of vehicle		necessary supplied/optional part
equipped with an electrical speed sensor	sensor on rear wheel	
	sensor on engine	nothing needed
	sensor on front wheel	
Without an electrical speed	with mechanical speed cable	magnetic/proximity sensor or speed pulse converter
sensor	without any speed sensor/cable	magnetic/proximity sensor

TOP GEAR & GEAR POSITION SETTING

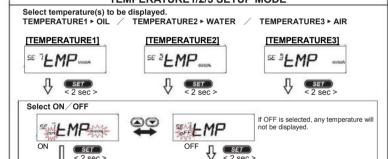
Select TOP GEAR according to your bike



Next, set each gear



TEMPERATURE1/2/3 SETUP MODE



NORMAL MODE

Next, select unit, °C(Celsius) or °F(Fahrenheit)

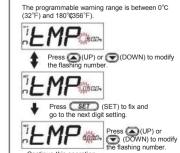


Next, set the warning temperature.

For TEMPERATURE1(OIL) & TEMPERATURE2(WATER), "OVERHEAT" warning can be set

For TEMPERATURE3(AIR), "COLD" warning can be set.
When the temperature exceeds/falls the set value, the value will flash

OVER HEAT WARNING



Continue this operation

EMP

√ SET < 2 sec

NORMAL MODE

The programmable warning range is between -10°C14°F) 3.050.

COLD WARNING







Continue this operation until the last digit is input



TROUBLE SHOOTING

Speed is displayed when the vehicle is standing Speed caribration might have failed. Try again.

Speed is NOT displayed

Wire connection of the speed sensor may be incorrect. Check service manual of the vehicle to see if the wires are connected correctly. By detaching the vehicle's original equipped speedometer, the power-supply to the speed sensor may be cut-off on some vehicles. In that case, connect + 12V to the plus (+) wire of the speed sensor

and connect Ground to the minus (-) of the speed sensor in order to

Be sure the speed calibration is correctly done before use.

Unstable SPEED/RPM display

Be sure the black wire (to ground) is firmly connected to the vehicle's frame. Painting is to be removed from the area where the ground terminal is attached.

RPM is NOT displayed

activate it

Try the other way of detection.

RPM is not displayed correctly.

If the RPM is unstable, insert the included "Resistor 1M ohm" into the RPM Pulse line

Frozen Display

In case the display is frozen, disconnect the red and brown wire of the main unit for a few seconds and connect it again to restart. Or disconnect the negative wire of the battery to cut the power supply

for a seconds, and then connect it again to restart.

The Others

For further help, go to the local dealer where you purchased DEVA01

OPTIONAL PARTS

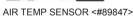


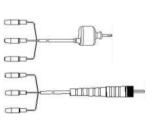
PT1/8 OIL TEMP SENSOR & EXTENTION WIRE <#89846>



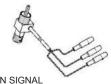
HANDI F-BAR BRACKET 8 SCREW SET <#89845>







SPEED PULSE CONVERTER DIA10 INSERT<#87755> DIA15 INSERT<#87143> DIA18 PLUG CONNECTION<#87041> M12 THREAD FEMALE<#87429> FOR BMW BOXER MODEL<#88457>



TWIN SIGNAL SPEED PULSE CONVERTER <#87430>





<#92333>



<#87038>

