



E13 10R-022812

Thanks for purchasing an Acewell ATV/Motorcycle/Scooter computer. This manual is specifically designed for ACE-3XXX series. The ACE-3100/3150 does not have any extra LED indicator. The ACE-37XX/38XX series has 4-8 LED indicators. Different models have different LED indicators; a fuel meter is optional, but all other functions are the same. You may find that the photo has a set of LED indicators different from your computer; the photo is for reference only.

### PANEL DESCRIPTIONS

- |  |                              |
|--|------------------------------|
| 1. Tachometer Scale                                  | 5. RESET Button              |
| 2. Bar Tachometer                                    | 6. MODE Button               |
| 3. 1st row display: Speedometer and MAX speedometer. | 7. Fuel Meter Bar (Optional) |
| 4. 2nd row display: Other functions                  | 8. LED Indicator symbols     |

	Left-Direction Indicator/Green		Engine Oil / Red
	Main-Beam Headlamp/Blue		Neutral Gear /Green
	Right-Direction Indicator/Green		Reverse Gear /Red
	Hazard Warning/ Red		Drive Gear /Green
	Parking/Green		Engine coolant temperature/ Red
	Direction Indicator/Green		Rear Fog Lamp/Amber
	Trailer Flashers/Green		Engine "Not In Use"/Red

### FEATURES

- Includes analog and digital tachometer, speedometer(300km/h maximum), trip meter, odometer, clock, average speedometer, maximum speedometer, riding timer and cumulated riding timer.
- Computer unit has 4-8 built-in LED for different-purpose indicators.
- LCD has 2 rows of digital and one analog bar-graphic tachometer displays, with blue LED backlight.
- Odometer and cumulative riding timer measurements are stored in memory, even when power is off.
- The computer's clock display is always on, even when other functions are power-off.
- Adjustable wheel circumference suitable for all kind of wheels: setting range of 1-3999 mm setting.
- Metric/ British system options.
- Waterproof design

### SPECIFICATIONS

FUNCTION	Symbol	SPECIFICATIONS	INCREMENTS	ACCURACY
Bar Tachometer		500-11,000 rpm	500 rpm	
Digital Tachometer	<b>RPM</b>	100-19,900rpm	100 rpm	
Shift Warning	<b>RPM</b>	100-19,900rpm	100 rpm	
Maximum Tachometer	<b>MAX RPM</b>	100-19,900rpm	100 rpm	
Speed Meter		2.3-300.0KM/h (187.5M/h)	0.1 KM/H or MPH	± 1% or ± 0.1(KPH/MPH)
Maximum Speed Meter	<b>MAX</b>	MAX 2.3-300.0KM/h (187.5M/h)	0.1 KM/H or MPH	± 1% or ± 0.1(KPH/MPH)
Average Speed Meter	<b>AVG</b>	AVG 2.3-300.0KM/h (187.5M/h)	0.1 KM/H or MPH	± 1% or ± 0.1(KPH/MPH)
Trip Meter 1&2	<b>TRIP 1&amp;2</b>	0.0-999.9 Km (624.9 Miles)	0.1 Km or Miles	± 0.1%
Odometer	<b>ODO</b>	0.0 - 999999 Km (0.0- 624999 Miles)	1 Km or Miles	± 0.1%
Riding Time	<b>RT</b>	0:00'00"- 99:59'59"	1 Second	± 50PPM
Total Time	<b>TT</b>	9999H59'	1 Minute	± 50PPM
Clock		0:00'00"- 23:59'59"	1 Second /1 Minute	± 50PPM

Power Input: 12VDC.

Speed Sensor: No Contact Magnetic Sensor.

Tachometer Input: CDI or Ignition-coil signal.

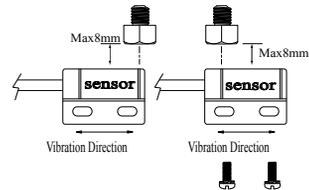
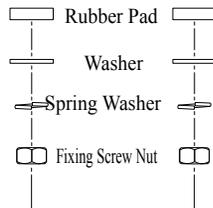
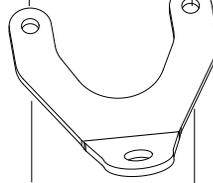
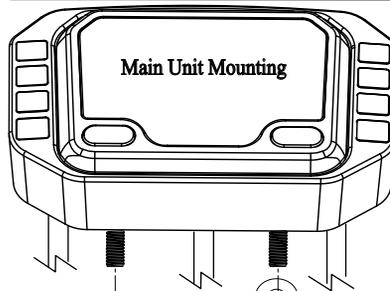
Wheel Circumference setting: 1mm - 3999 mm (1 mm increment)

Operation Temperature: -10° C - +80° C (inner housing)

Storage Temperature: -25° C - +85° C (Inner housing)

Fuel Sensor Resistance: +/-100 Ω,250Ω,510Ω options or 1-7 Bar-graphic (For models with fuel meter only)

### INSTALLATION & PARTS

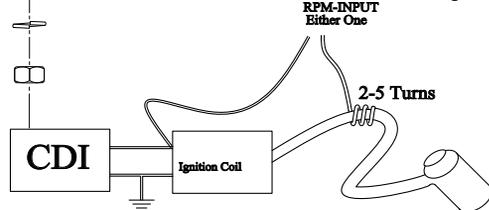


#### Speed Sensor & Magnet Mounting

Attention :

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

#### RPM Sensor Mounting



- Signal intensity from ignition coil is dependent on vehicle type.
- Circles 2-5 turns around ignition coil, with more turns creating steadily signal, fewer turns creating weaker signal.
- The computer can use all type of ignition system, only if the RPM is not stable you must sometimes add the attached 1MOhm resistor in the wire of the RPM input.

### FUNCTIONS

#### BAR RPM: Bar Graphic Tachometer

- The bar graphic tachometer reading is always displayed at the bar graph.
- Tachometer bar graphic displays up to 11,000 RPM.

#### RPM: Digital Tachometer

- RPM is displayed in 2nd row.
- Digital tachometer displays up to 19,900 RPM.
- Tachometer signal picked up from either CDI or Ignition coil.

#### Shift Warning RPM

- Function enables you to set up an RPM shift warning.
- Bar-graphic tachometer flashes when RPM reaches pre-set value, and stops flashing after you shift gear.

#### MAX RPM: Maximum Tachometer

- MAX RPM is displayed on 2nd row.
- Displays highest tachometer reading achieved after last RESET operation.

#### SPD: Speed Meter

- Speed meter display is on 1st row of the screen.
- Displays speedometer reading up to 300.0 Km/H or 187.5 mph.

#### MAX: Maximum Speed Meter

- MAX is displayed on 1st row.
- Displays highest speed achieved after last RESET operation.

#### AVG: Average Speed Meter

- AVG is displayed on 2nd row.
- Calculates average speed from last RESET.

#### TRIP 1 & 2: Trip Meter 1 & 2

- TRIP function registers cumulative trip distance from last RESET while bike is being ridden.
- Display is on 2nd row of screen.

#### ODO: Odometer

- ODO registers cumulative distance traveled during motorbike operation.
- ODO data is stored in memory, even when power is off.

#### RT: Riding Timer

- Calculates total operation time from last RESET.
- Count automatically begins with vehicle movement.

#### TT: Total Riding Timer

- Calculates total operation time from the beginning of bike use.
- Count automatically begins with vehicle movement.
- TT data is stored in memory, even when power is off.

#### 🕒 12/24 hour Clock

It displays 12- or 24-hour current time.

#### 🛢 Fuel Meter (Only for models with the function)

- Has 7 bargraphic indicator of fuel status.
- Last bar flashes to indicate low fuel level.

