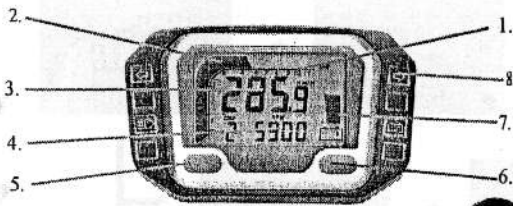


# ACEWELL

Electric Bike Computers ACE-3XXXE Manual  
www.acewell-meter.com English



E13 10R-022812

Thanks for purchasing the Acewell Electric Bike/Vehicle computer. This manual is specifically designed for ACE-3XXXE series. The ACE-3155E does not have any extra LED indicator, other models are with 4-8 LED indicators. Different models have different LED indicators; 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. Speedometer Scale                                 | 5. RESET Button          |
| 2. Bar Speedometer                                   | 6. MODE Button           |
| 3. 1st row display: Speedometer and MAX speedometer. | 7. Battery Gauge         |
| 4. 2nd row display: Other functions                  | 8. LED Indicator symbols |

←	Left-Direction Indicator/Green	⚠	Engine Oil / Red
⚡	Main-Beam Headlamp/Blue	N	Neutral Gear /Green
→	Right-Direction Indicator/Green	R	Reverse Gear /Red
⚠	Hazard Warning/ Red	D	Drive Gear /Green
P	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 speedometer, trip meter, odometer, clock, average speedometer, maximum speedometer, riding timer, cumulative riding timer and battery power gauge in one.
- Computer unit has 4-8 built-in LED for different-purpose indicators.
- LCD has 2 rows of digital and one analog bar-graphic speedometer displays, with amber 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 Speedometer		50-100Km/H or MPH	Km/H or MPH	
Speedometer	Km/H MPH	2.3-100.0Km/H or MPH	0.1 Km/H or MPH	±1% or ±0.1(KPH/MPH)
Maximum Speed	MAX	2.3-300.0KMm/H or MPH	0.1 KM/H or MPH	±1% or ±0.1(KPH/MPH)
Average Speed Meter	AVG	2.3-300.0KMm/H or MPH	0.1 KM/H or MPH	±1% or ±0.1(KPH/MPH)
Trip Meter 1&2	TRIP 1&2	0.0-999.9 Km (624.9 Miles)	0.1 Km or Miles	±0.1%
Odometer	ODO	0.0 - 999999 Km (0.0- 624999 Miles)	1 Km or Miles	±0.1%
Riding Time	RT	0:00'00"- 99:59'59"	1 Second	± 50PPM
Total Time	TT	9999H59'	1 Minute	± 50PPM
Clock		0:00'00"- 23:59'59"	1 Second / 1 Minute	± 50PPM
Power Gauge		7 bars		

Power Input: 12/24VDC.

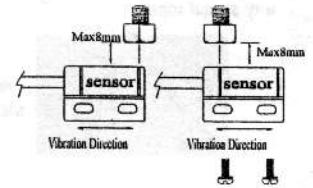
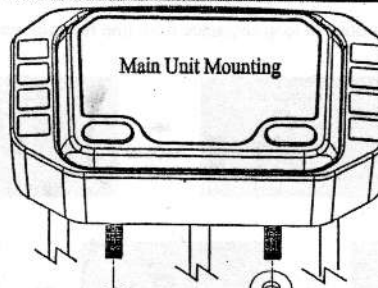
Speed Sensor: No Contact Magnetic Sensor.

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)

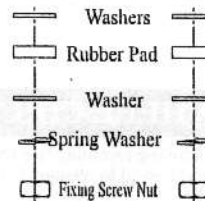
## INSTALLATION & PARTS



### 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.
- Install sensor using supplied screws.



## FUNCTIONS

### BAR Speedometer: Bar Graphic Speedometer

- The bar graphic speedometer reading is always displayed at the bar graph.
- Speedometer bar graphic displays up to 100Km/H (62MPH).

### Km/H (MPH): Speedometer

- Speedometer display is on 1st row of the screen.
- Displays speedometer reading up to 100.0 Km/H or 62 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 : Trip Meter

- 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 1&2: Running Timer 1&2

- Calculates total power on time from last RESET.
- Count automatically begins with power key is turned on.

### TT: Total Hour Meter Timer

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

### 12/24 hour Clock

It displays 12- or 24-hour current time.

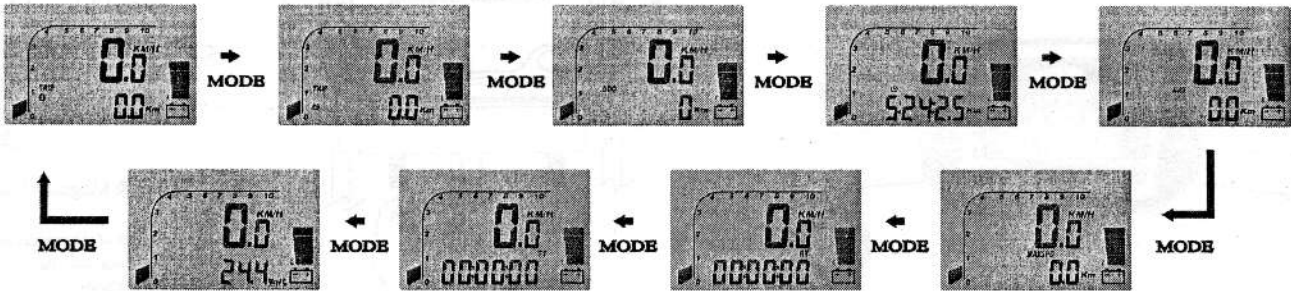
### Power Gauge

- Has 7 bargraphic indicator of battery status.
- The 1st bar indicates 21V, each volt adds one bar until 27V indicates at top bar.
- Last bar flashes when voltage is less than 21VDC to indicate low battery power level.

# BUTTON OPERATIONS

## MODE BUTTON

1. Press the MODE button to move all functions in loop sequence from one function screen to another when the speed sensor does not detect any signal input.



## RESET BUTTON

1. Press MODE button to the desired screen then press RESET button for 2 seconds to reset TRIP 1, Trip 2, MAX, and MAX RPM data from stored values to zero individually.
2. The data of Trip 1, AVG & RT be reset at the same time when one of the 3 data functions is being reset.

# WHEEL CIRCUMFERENCE TABLE

1. The details below have been calculated using the following formula: Tire Diameter (inch) x 25.4(mm/inch) x 3.1416 = wheel circumference (in mm).
2. Identify the tire size of your ATV/Motorcycle when you need to change different tire, and key in the corresponding number shown in the following chart.

Tire Size	Circumference	Tire Size	Circumference	Tire Size	Circumference
15 inch	1197mm	19 inch	1516mm	23 inch	1835mm
16 inch	1277mm	20 inch	1596mm	24 inch	1915mm
17 inch	1357mm	21 inch	1676mm	25 inch	1995mm
18 inch	1436mm	22 inch	1756mm	26 inch	2075mm

# UNIT & WHEEL CIRCUMFERENCE SETTING

1. Setup operations include 12/24hour clock, shift warning RPM, numbers of engine rotation per signal, wheel circumference and units. These must be set up step by step. The computer will automatic reversion to main screen if no button operation for 75 seconds at any setting screen.
2. Press both MODE & RESET buttons to go into setting screen. In setting screens, press RESET button to add the flashing digit by 1 or convert units, press MODE button to confirm the digit setting and jump to next digit or next setting screen to be set. Press MODE button for 2 seconds at any setting screen to finish the setting and go to main screen.
3. It displays "12 or 24H and XX:XX-XX" symbols and AM/PM in case you select 12H.
4. Press RESET button converts 12/24H, press MODE button to complete the setting and jump to clock digit setting.
5. Press RESET button to increase flashing digit by one; press MODE button to confirm digit setting and jump to next digit.
6. Press MODE button to go to shift warning RPM setting screen after set clock.
7. It displays "RPM rXXX00 ". Press RESET button to increase flashing digit by one; press MODE button to confirm digit setting and jump to next digit.
8. Press MODE button to go to numbers of engine rotation per signal setting screen after completed shift warning RPM setting.
9. It displays "SPC-X.X RPM", the default value is 1.0; there are 4 options: 1.0, 2.0, 3.0 and 0.5. It means the numbers of engine rotation per signal. For example the value 2.0 means the engine rotate 2 turns to output a signal.
10. Press RESET button to move in loop sequence from one to another value of the 4 values. Press MODE button to confirm the setting and go to wheel circumference setting screen.
11. In "cXXXX" display, "c" means "Circumference", following 4 default digits; flashing digit is digit to be set.
12. Press RESET button to increase flashing digit by one; press MODE button to confirm digit setting and jump to next digit.
13. Press MODE button to go into the unit setting screen after complete wheel circumference setting.

