

# AVOCET



## CYCLOMETER 25



## SPECIFICATIONS

Instrument displays either miles or kilometers

### Setup functions

Miles/Kilometers: Stored data converted when setup is changed

Wheel Size Calibration: Calibration for wheels from 100 mm (4") circumference to 2,999 mm (118") circumference in 1 mm increments

Automatic Power Saver: Displays clock to cut power consumption by 50% while retaining stored data

Dimensions: 1.75" X 1.75" x 0.3"

Weight: Unit, 0.5 oz

Display: Dual liquid crystal, upper numbers 0.3" high; lower numbers 0.2" high

Operational Temperature Range: 0°F to 150°F

Battery: 1.5 volt, 4 year life. Use Avocet Cyclometer 25 battery or 357 (Renata, Eveready, RayOVac, Phillips), SR44W (Maxell, National, Panasonic, Sony, Toshiba), D357H (Duracell).

### Speed Functions

SPEED: To 75 mph

Maximum Speed (MX): To 75 mph (resettable)

Average Speed (AV): To 75 mph. Calculated only while the wheel is turning. Averages up to 10 hrs

Resolution of speed functions: 0-19.9 mph, to 0.1; 20-39.5 mph, to 0.5; 40-75 mph, to 1.0

### Distance Functions

Total Distance (D): To 6,210 mi in 0.1 mi increments. Display rolls over at 6,210 miles

Trip Distance (d): To 621.00 mi in 0.01 mi increments

### Time Functions

Ride Time (ST): To 9:59:59 (time used to compute average speed). At 10:00:00 rolls over

Stopwatch (ST): To 9:59:99 in 0.01 second increments then to 9:59:59 in 1.0 second increments. At 10:00:00 rolls over and resumes timing . When stopped displays to 0.01 second

Clock: 24 hour format; to 1 minute

## BUTTONS



### PRESSING THE RIGHT BUTTON

Displays Speed with the other main functions: Total Distance, Trip Distance, Average Speed, Ride Time, and Maximum Speed  
Changes calibration number and clock time



### HOLDING THE RIGHT BUTTON 2 SECONDS

Selects the Clock in any function



### PRESSING THE LEFT BUTTON

Starts and stops the Stopwatch  
Moves from one number to the next in calibration and clock set



### HOLDING THE LEFT BUTTON

Reaches miles/kilometers select when Total Distance (D) is displayed  
Reaches calibration when Trip Distance (d) is displayed



### HOLDING LEFT THEN PRESSING RIGHT BUTTON

Resets Trip Distance, Average Speed, Ride Time, and Maximum Speed (all together) when any of these functions is displayed  
Clears Stopwatch when Stopwatch is displayed  
Reaches Clock set when Clock is displayed

## RESET / POWER SAVER



**RESET by holding the left button then pressing the right button**

*Trip Distance, Average Speed, Ride Time, and Maximum Speed reset together*

**RESET.** To reset hold down the left button then press the right button. Trip Distance, Average Speed, Ride Time, and Maximum Speed all reset together. You can reset from any of these four functions. When Ride Time reaches 10 hours, Trip Distance, Average Speed, and Ride Time reset automatically. Reset before starting each ride to avoid automatic reset.

**ALL CLEAR.** You can clear Total Distance manually by holding down the left button in the Total Distance (D) function until the test pattern appears (10 seconds). This erases all stored data.

**AUTOMATIC POWER SAVER.** After no buttons have been pressed and no wheel movement has been detected for 10 minutes, the the clock will display. Power consumption is reduced by 50%. The normal display returns when a button is pressed or the bicycle is moved.

## FUNCTIONS



**1. TOTAL DISTANCE-D**



**2. TRIP DISTANCE-d**



**3. AVERAGE SPEED-AV**



**4-RIDE TIME-ST**



**5. MAXIMUM SPEED-MX**



**6. STOPWATCH**



**CLOCK**

**OPERATION.** Press the right button to move from one function to the next.

**SPEED (displayed in all functions).** Speed resolution is to 0.1 mph up to 19.9 mph, 0.5 mph from 20 to 39.5 mph, and 1.0 mph above 40 mph. 'mi' flashes when the Cyclometer is receiving speed and distance data from the wheel sensor.

**1. TOTAL DISTANCE-D.** Accumulates the total distance (D) you have ridden up to 6,209.9 miles. At 6,210 miles it clears to 0 and resumes accumulation.

**2. TRIP DISTANCE-d.** Displays the distance (d) ridden since the last reset up to 620.99 miles. At 621.00 miles it resets to 0 and resumes accumulation. Trip Distance also resets automatically when Ride Time reaches 10 hours. Reset at the start of each ride to avoid automatic reset.

**3. AVERAGE SPEED-AV.** Displays the average speed since the last reset. Averages speed for up to 10 hours. After 10 hours the Cyclometer 25 displays an 'E' instead of average speed. The

time over which the average has been calculated is shown in the Ride Time function.

**4. RIDE TIME-ST.** Displays ride times up to 9 hours 59 minutes. Resets automatically at 10 hours. Trip Distance and Average Speed also reset at 10 hours. Ride time is the time that the bicycle's wheels have been turning. Time stopped is not accumulated. Average speed equals the trip distance divided by the ride time.

**5. MAXIMUM SPEED-MX.** Displays the max speed since the last reset up to 75.0 mph.

**6. STOPWATCH.** When the Stopwatch is displayed, 'ST' blinks. Press the left button to start and stop the Stopwatch (ST). Records to 9:59:59. At 10 hours it rolls over to 0 . Clear by holding the left button then pressing the right button.

**CLOCK.** You can reach the clock from any function by holding the right button down for 2 seconds. Press the right button to return to the last function displayed. The clock shows 24-hour time in hours and minutes.

