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 resets 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 average speed is calculated only while the wheel is turning. Averages up to 10 hours.

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.

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).
## Calibration Numbers

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>Number</th>
<th>Tire Size</th>
<th>Number</th>
<th>Tire Size</th>
<th>Number</th>
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<tbody>
<tr>
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<td>1528 mm</td>
<td>26 x 1.95/2.0</td>
<td>2045 mm</td>
<td>700 x 28</td>
<td>2096 mm</td>
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<td>1753 mm</td>
<td>26 x 2.1</td>
<td>2056 mm</td>
<td>700 x 32</td>
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<td>2058 mm</td>
<td>700 x 38</td>
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<td>1929 mm</td>
<td>700C tubular</td>
<td>2083 mm</td>
<td>27 x 7/8</td>
<td>2077 mm</td>
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<td>2081 mm</td>
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<td>2087 mm</td>
<td>27 x 1/4</td>
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<td>1986 mm</td>
<td>700 x 25</td>
<td>2091 mm</td>
<td>27 x 1/4</td>
<td>2142 mm</td>
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</table>

### Calibration

**Miles or Kilometers.** Go to the Total Distance (D) function. Hold down the left button for 12 seconds until the test pattern appears and all stored data is erased. Four seconds after releasing "mi" or "km" flashes. Press the right button to switch between miles and kilometers, then complete calibration. You can change between miles and kilometers without erasing stored data. To do this hold the left button in Total Distance (D) for six seconds and release when "mi" or "km" flashes. Switch between units with the right button. Stored maximum and average speeds and distance data are automatically converted to the units chosen when you use this method. Exit by pressing the left button.

**Precise Calibration.** For the most precise calibration, measure the tire's circumference by the following method: Inflate your tires to your usual riding pressure. Mark the ground under the valve stem when the stem is at its lowest point. Get on the bicycle and have a helper push you in your normal riding position until the valve stem returns to its lowest point. Mark below the stem again, then measure the distance between the marks. If you measure in inches, multiply your measurement by 25.4 to convert to millimeters. The calibration number is the tire circumference in millimeters.

**Setting the Clock.** Hold down the right button in any function to display the clock. Hold down the left button, then press the right button to reach clock adjust. The right digit will blink. Change it with the right button. Press the left button to go to the next digit. After adjusting all the digits, press the left button to exit. To check the calibration number, hold the left button in Trip Distance. After 4 seconds the calibration will appear, and it will remain displayed for 4 seconds after you release the button.

### Installation

**Step 1 – Transmitter.** Position the magnet housing over a pair of crossed spokes with the spokes inside the slots. Insert the magnet in the well and close the housing pressing with the spokes inside the slots. Insert the magnet and secure it with the spokes.

**Step 2 – Receiver.** Position the receiver on the fork so that it is opposite the transmitter. Rotate the receiver until it is 1/8 to 3/16" from the transmitter magnet then tighten the tie and trim off its free end with scissors.

**Step 3 – Receiver Wire.** Attach the wire to the head tube. Insert a zip tie through the slot and secure it with the spokes inside the slots. Insert the receiver wire around the front brake cable until the example appears. Move the wire by prying up the cap with a magnet. Rotate the wheel until the mark indicates improper reset, and erasing stored data. To do this hold the left button in Trip Distance (D) for six seconds and release when "mi" or "km" flashes. Switch between units with the right button. Stored maximum and average speeds and distance data are automatically converted to the units chosen when you use this method. Exit by pressing the left button.

**Step 4 – Mount Bracket.** Wrap the rubber shim around the handlebar near the stem. Remove the clamp screw and place the bracket on the handlebar over the shim. If the shim is too long, trim it shorter with scissors. Insert the clamp screw and tighten it until the bracket is secure. Slide the Cyclometer into the bracket from front to rear until it snaps on. Spin the wheel and confirm that a speed reading is displayed. If the display remains at zero, check that the receiver and transmitter magnet are aligned and 6/16 to 3/8" apart.

### Battery & Troubleshooting

**Installing a New Battery.** Remove the battery by prying up the cap with a screwdriver. Install the new battery with its positive (+) side toward the cap, then press in the cap. Use only an Avocet Cyclometer 25 battery or equivalent (see specifications). After battery installation a blinking “km” appears on the display. Press the right button to switch between miles and kilometers, then complete calibration. You can change between miles and kilometers without erasing stored data. To do this hold the left button in Total Distance (D) for six seconds and release when "mi" or "km" flashes. Switch between units with the right button. Stored maximum and average speeds and distance data are automatically converted to the units chosen when you use this method. Exit by pressing the left button.

**Troubleshooting.**

- **Speed and distance seem too high or too low.** Check calibration number.
- **No display or display dim.** Check contacts on back of Cyclometer and on mount and clean with a pencil eraser if necessary.
- **No display or display.** Replace battery.
- **Incorrect data or unusual display.** Remove battery, then reinstall after 15 seconds.

### Avocet 1-Year Limited Warranty

This Avocet Cyclometer is warranted against defects in material and workmanship for one year after date of purchase, or two years after the manufacture date stamped on the PC board under the battery (YM), whichever comes first. Defective products will be repaired or replaced. The warranty will not cover the battery, normal wear, damage, or loss and is void if the Cyclometer is disassembled by anyone other than an authorized Avocet Service Center.

### Processing Information

Customer service and product information are available at www.avocet.com/service.html or by calling 650-478-0478. Warranty claims are to be sent to the Service Center by the owner, not by the retail store where the Cyclometer was purchased. Include a description of the problem. Only the original, dated cash register or charge card receipt will be accepted for proof of purchase date (no exceptions).

Send your Cyclometer freight prepaid to the Service Center at the address listed below. A traceable method of shipment is recommended in the event that your shipment to Avocet is lost in transit.

**Avocet Service Center**

170A University Ave.

Palo Alto, CA 94301

Customer service and product information are available at www.avocet.com or by calling 650-478-0478 ext 218.

**Avocet, Inc. P.O. Box 180, Palo Alto, CA 94302, USA**

04/02