

# PACER 2000 Specifications.

## Accuracy:

Distance ..... +.0083 km/km

Time ..... +.005% (quartz crystal device)

Speed } Accuracy +.25% rounded to the  
Cadence } nearest whole number at 48 kph / 30  
Average Speed } mph

## Units

Measured ..... Metric or English (switch selectable)

Display ..... 4 digit LCD display (easily visible in direct sunlight)

Unit Color ..... Flat black with burnt orange trim

Ruggedness ..... Water / shock resistant

Power..... Standard alkaline battery

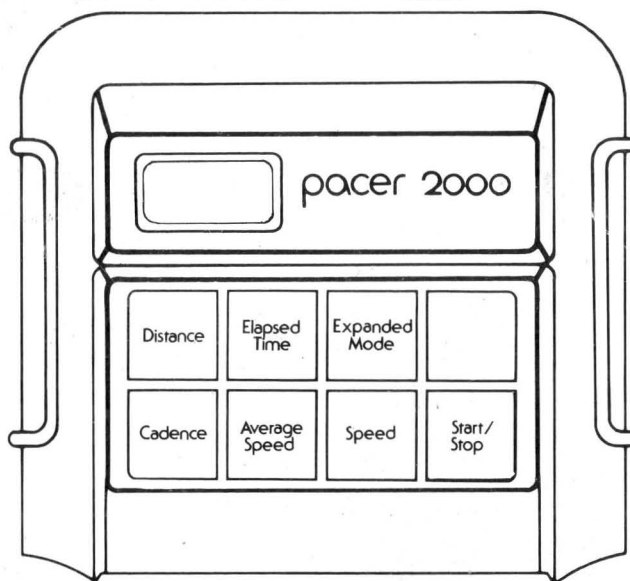
Circuitry..... CMOS / microprocessor  
(Insures low battery drain)

Tire Sizes ..... Min - Max      Increment  
33cm - 72cm      .32cm  
13in - 28in      1 / 8in

Weight ..... 241 grams / 8.5oz

Dimensions..... H 10.2 cm / W 10.0 cm / D 2.5 cm  
H 4.0" / W 4.3" / D 1.0"

Warranty..... One year limited warranty



**Distance** – Distance traveled measured in kilometers or miles, displayed to hundredths for greater accuracy.

**Cadence** – Pedal cadence measured in rpm.

**Elapsed Time** – Displays time in hr/min or min/sec.

**Average Speed** –  $\frac{\text{Traveled Distance}}{\text{Elapsed Time}} = \text{kph or mph}$

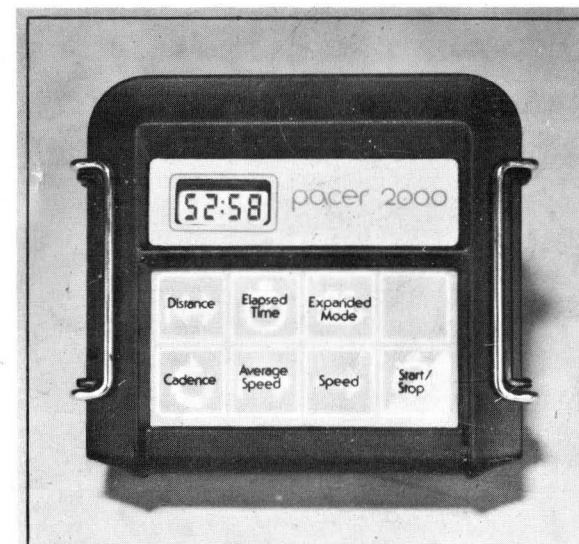
**Expand Mode** – Shifts distance display from 99.99 km or mi maximum to 255 km or mi maximum.

**Speed** – Velocity measured in kph or mph (maximum 113 kph or 70 mph).

**Start/Stop** – Control timer and odometer.

# PACER 2000.

## The Standard in Bicycle Computers.



## Veltec. The Leader in Sports Measurement.

The 20 engineers who designed and built PACER 2000 have impressive records when it comes to computers and measurement devices. They come from a variety of disciplines, boast patents in the electronics field, and have made important contributions in research and development. One of their biggest challenges was to design the best possible bicycle computer. After 10 cumulative years of research and testing, they did it – and named it PACER 2000. They're part of the team that makes Vetec the leader in sports measurement.



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## PACER 2000.

### The Reliable Features You Need To Become a Better Biker.

*Racers and other serious cyclists know that for durability, accuracy, and flexibility the handmade PACER 2000 is without peer. That's why better bikers like John Marino, Trans America record holder, use it to stay out in front.*

PACER 2000 isn't for everyone. But then "everyone" doesn't appreciate a handmade watch. Or for that matter, the beauty of a truly fine bicycle.

But PACER 2000 people do. Because PACER 2000 is a quality bicycle computer used worldwide. A computer that took ten cumulative years of hard work by patent-holding engineers to perfect. A computer that incorporates solid state electronics, so there are no mechanical parts that can fail. And because PACER 2000 is a precise, total information system, each one is built and tested like any other fine instrument: painstakingly by hand.

The quality of PACER 2000 enables us to offer this one-year limited warranty. In the event something goes wrong with your PACER 2000, we'll repair it promptly or send you a new one — at your choice. Unlike lesser-quality devices, PACER 2000 is repairable.

### Total Information

PACER 2000 provides you with all the information you need — the instant you need it. Data for any one of the six functions is continually displayed until you request another function simply by pressing the appropriate button. You don't have to hold the button down while you're viewing the information you want. Meanwhile, data for the other five functions is continually computed, even if you are stopped, ready for you to call up.

PACER 2000 shows you distance, cadence, and speed. But then it goes several steps beyond by showing average speed and elapsed time. What's more, it offers a unique expansion mode. It's used on long rides for converting minutes and seconds into hours and minutes, and for keeping track of distances from 100 through 255 miles.

## As Reliable as Your Bike.

Handmade PACER 2000 is made tough to survive road shock and severe weather, from cold and heat to sun and rain. It uses special electrical connectors and weather-resistant gaskets to minimize humidity and road contamination. Its frictionless sensors work by electronics, rather than using a magnetic-mechanical relay. The reliability of its computer-on-a-chip design is complemented by the four-digit liquid crystal display (LCD), which is the only kind of display readable in bright sunlight. Because there are no mechanical parts, there is nothing to shake loose or break. Solid state electronics make PACER 2000 as solid as a brick. Yet it weighs less than nine ounces.

### Consistent Accuracy

Its quartz timer insures that PACER 2000 is always accurate. Computations are measured in English or metric, and carried out to hundredths. PACER 2000 is so accurate — to two inches per mile — it's used to lay out race courses.

### Easy Mounting

From the time you open the box and read the instruction manual PACER 2000 takes less than 30 minutes to mount. It won't mar your bike and there are no holes to drill. It fits on any bike and any size tire from 330-730 millimeters (13 to 28 inches) — and it can be adjusted in less than five minutes to changed tire sizes and inflation pressures. Thus, you aren't limited to just one tire size and pressure; PACER 2000 is flexible enough to fit the gamut of tire sizes and pressures.

To mount PACER 2000 you follow five simple steps. First, you remove the back panel, then flip a series of eight switches which determine tire size and whether English or metric units will be displayed. Second, you switch on PACER 2000, which performs a self-test and tells you if you have set the tire size correctly. Third, you attach the unit to your handlebars using velcro straps. They make it easy to remove and put back on. Fourth, you screw the front wheel magnet to a spoke, and install a sensor inside the fork. Five, you clamp another sensor to the seat tube, then attach a magnet inside the innermost sprocket (chain ring). PACER 2000 requires no special tools and comes complete with velcro straps, sensors, magnets, and battery.

Extra mounting kits also are available. They're handy if you have more than one bike on which you'd like to use your PACER 2000. Also, bicycle clubs use them if they're sharing a PACER 2000 between members.

## Better Bikers prefer PACER 2000

Current Trans America record holder John Marino uses and endorses PACER 2000 as the best training instrument of its kind available today. With PACER 2000 you can be your own toughest competitor as you set and work toward higher racing goals. By continuously monitoring your performance, PACER 2000 helps you strive for consistent or improved pedal cadence — no matter what the terrain — because it "feels" hills and downgrades before your eyes or legs do. On long rides PACER 2000 acts as a kind of coach, urging you on even though the ride is hard and monotonous. For shorter interval training, PACER 2000 replaces a cumbersome stop watch and frees you from counting cadence under your breath. Moreover, you'll never again need a map to determine distance or average speed.

