




SPECIFICATIONS

FUNCTIONS	DISPLAY	SPECIFICATIONS	DIGITS SHOWN ON SCREEN	DIGITS READ ON SCREEN	INCREMENTS	STANDARD ACCURACY
CURRENT SPEED	SPD	0-199 Km/H or 120 M/H	53.6	53.6 KM/H	0.1 Km/H or M/H	±1 % Km/H (M/H)
AVERAGE SPEED	AS	0-199 Km/H or 120 M/H	64.3	64.3 KM/H	0.1 Km/H or M/H	±0.1% Km/H (M/H)
MAXIMUM SPEED	MS	0-199 Km/H or 120 M/H	105.4	105.4 KM/H	0.1 Km/H or M/H	±1 % Km/H (M/H)
DISTANCE	DST	0.000-999.99 Km or Mile	128.34	128.34 KM	0.01 Km or Mile	±0.1%
ODOMETER BIKE 1	ODO 1	0-99999.99 Km or Mile	1,253.09	1,253.09 KM	0.01 Km or Mile	±0.1%
ODOMETER BIKE 2	ODO 2	0-99999.99 Km or Mile	1,253.09	1,253.09 KM	0.01 Km or Mile	±0.1%
RIDING TIME	RT	0M00S-99H59M59S	1H36M15S	1H36M15S	1 Second	±0.1%
TRIP TIME	TT	0M00S-99H59M59S	12H18M52S	12H18M52S	1 Second	±0.1%
ACCUMULATED RIDING TIME	ART	0H00M-9999H59M	2,354H20M	2,354H20M	1 Minute	±0.1%
12H OR 24H CLOCK	00:00:00	0:00'-12:59' or 0:00-23:59'	18:38:05	18H38M05S (24H)	1 Second	±0.003%
LUBRICATION REMINDER		0-990 Km or Mile	123.45	123.45KM (Remain distance)	0.01 Km or Mile	±0.1%
MAINTENANCE REMINDER		0-990 Km or Mile	234.56	234.56KM (Remain distance)	0.01 Km or Mile	±0.1%
LOW BATTERY WARNING		2.5V				±0.1V

WHEEL CIRCUMFERENCE DEFAULT: BIKE 1 / 2155mm, BIKE 2 / 2055mm

SENSOR: NON CONTACT MAGNETIC SENSOR
 BATTERY: MAIN UNIT :3.0V BATTERY X 1 (TYPICAL NO. CR2032)
 BATTERY LIFE: ABOUT 1.5 YEARS (THE ORIGINAL FACTORY-INSTALLED BATTERY LIFE MAY BE SHORTER THAN THIS PERIOD DUE TO SHIPPING AND STORAGE TIME)

LUBRICATION REMINDER DEFAULT: BIKE 1 / 100 Km(60 Miles) BIKE 2 / 300 Km(200 Miles)
 MAINTENANCE REMINDER DEFAULT: BIKE 1 / 300 Km(200 Miles) BIKE 2 / 990 Km(600 Miles)

DIMENSION / WEIGHT: 3.54" X 1.79" X 0.59" / 52 GRAMS
 WHEEL CIRCUMFERENCE: 0 TO 3999 mm (1 mm increments)
 OPERATION TEMPERATURE: 0°C to 60°C (32°F to 140°F)
 STORAGE TEMPERATURE: -20°C to 80°C (-4°F to 176°F)

TROUBLE SHOOTING

Check the following before taking unit to repairs

PROBLEM	CHECK ITEMS	REMEDY
No display	1.Is the battery exhausted? 2.Is the battery installed correctly?	1.Replace the battery. 2.Make sure that the positive (+) pole of the battery is facing the battery cap.
No current speed or incorrect data	1.Is the computer in set-up mode? 2.Are the contacts between the main unit and the bracket poor? 3.Is the wheel circumference correct? 4.Are the relative positions and gap between sensor and magnet correct?	1.Refer to the data setting procedure and complete the adjustment. 2.Clean the contacts. 3.Refer to WS (wheel size) setting and enter correct value. 4.Refer to Sensor Mounting Instructions (INSTALLATION TIPS)
Irregular display		Refer to "Clear All Data setting" and initiate the computer again.
LCD is black	Did you leave the computer in direct sunlight when not riding for a long while?	Place the computer in the shade to return to normal state.
Display is slow	Is the temperature below 0°C (32°F)?	The unit will return to its normal state when the temperature rises.

BATTERY CHANGE



PRECAUTIONS

1. The PANORAM computer can be used in the rain but should not be used under water.
2. Do not leave the main unit exposed to direct sunlight when not riding.
3. Do not disassemble the main unit or its accessories.
4. Check relative positions and gap between sensor and magnet periodically.
5. Clean the bracket contacts and the bottom of the main unit periodically.
6. Avoid contact with gasoline, degreasers or other chemical cleaners as they may damage the computer.
7. Remember to pay attention to the trail while riding.

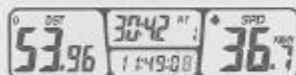
BACK LIGHT



Press right button
Stays lit for 4 seconds



AUTO SLEEP



30min



Shows clock

During non-riding status, if no buttons are touched for 30 min, the screen will go into Auto Sleep mode. Screen will wake-up automatically by touching any button or by riding.

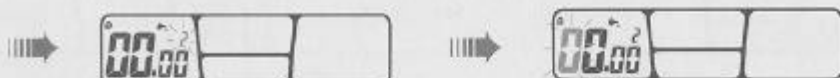
Note:

- Lubrication reminder distance already pre-programmed at 60miles or (100km) for bike 1 and 200miles or (300km) for bike 2. If you want to change the lubrication reminder distance, please enter Normal Data Setting process.
- Maintenance reminder distance already pre-programmed at 200miles or (300km) for bike 1 and 600miles or (990km) for bike 2. If you want to change the maintenance reminder distance, please enter Normal Data Setting process.

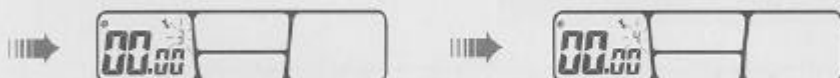
TO TURN OFF REMINDERS WHEN THEY FLASH



x2sec Hold down two outside buttons
x1.5sec Confirm clock setting and start to set



Adjust digit
Confirm and move to next digit setting



x1.5sec Confirm setting and start to set
Adjust digit



Confirm and move to next digit setting
x2sec

TRAILTECH™

MOTORCYCLE COMPUTER

00 Two bike selection
KM/H M/H Mile or Kilometer selection
SPD Speed
AS Average speed
MS Maximum speed
TT Trip time (Stop watch)

RT Riding time
ART Accumulated riding time
000000 12H or 24H clock
DST Distance
ODO Accumulated distance
🔧 Lubrication reminder

🔧 Maintenance reminder
☐ Back light display
⬆️⬆️ Speed pacer display
🔋 Low battery warning
⬆️ Auto start-stop
⬆️ Auto sleep (shows clock)

Actual, trip, accumulated
trip time are displayed here.



Bike selection,
odometer, distance,
and maintenance
functions are
displayed here

Average, maximum,
and actual speed,
speed pacer, MPH
and KM/H are
displayed here

Panoram
11 FUNCTION MOTORCYCLE COMPUTER

QUICK START

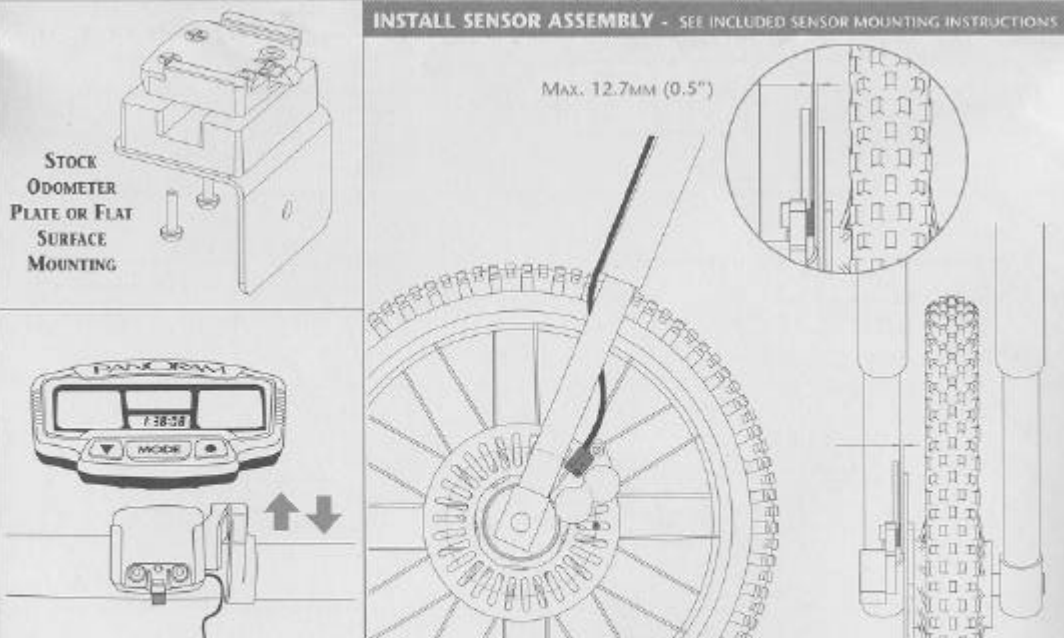
1. INSTRUCTIONS FOR COMPUTER FUNCTION AND USE

DETERMINE COMPUTER MOUNTING METHOD

HANDLEBAR OR CROSSBAR MOUNTING - FOR STIFFER CONNECTION - REMOVE LINK



INSTALL SENSOR ASSEMBLY - SEE INCLUDED SENSOR MOUNTING INSTRUCTIONS

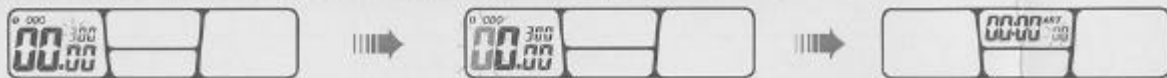


00 Two bike selection
KM/H M/H Mile or Kilometer selection
SPD Speed
AS Average speed
MS Maximum speed
TT Trip time (Stop watch)

RT Riding time
ART Accumulated riding time
000000 12H or 24H clock
DST Distance
ODO Accumulated distance
🔧 Lubrication reminder

🔧 Maintenance reminder
☐ Back light display
⬆️⬆️ Speed pacer display
🔋 Low battery warning
⬆️ Auto start-stop
⬆️ Auto sleep (shows clock)

SET ODOMETER (ODO) EXAMPLE: INPUT 30,000 MILES (OR KM)



Use left button to adjust digit

Use right button to move to next digit setting

x1.5sec Use center button to confirm ODO setting and move to ART setting

NOTE: When changing battery, it is required to input ODO and ART. Please be sure to record previous ODO and ART number before battery change

SET ACCUMULATED RIDE TIME (ART) EXAMPLE: INPUT 2800 HOURS



Use left button to adjust digit

Use right button to move to next digit setting

x2sec When data input is complete, hold down right button for 2 seconds to leave data setting program

NORMAL DATA SETTING

Use Normal Data Setting program to make changes to wheel size, clock, oil and maintenance reminders, odometer and accumulated ride time. Programming for motorcycle 2 should also be done in this program (see next instruction).

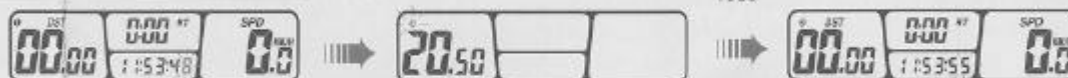
Changing the miles/km setting must be done using the "Initial Data Setting" program



x2sec Hold down two outside buttons to enter "Normal Data Setting"

WS → CLOCK → [Clock Icon] → [Bike Icon] → ODO → ART → WS

TO PROGRAM BIKE 2



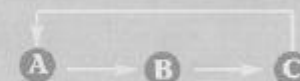
1sec

x5sec Hold 5 seconds, screen will show WS of bike 2 first, then will blink for 1 second, and automatically move to main screen of bike 2

ENTER NORMAL DATA SETTING x2sec

SCREEN DISPLAY

USE CENTER BUTTON TO VIEW THE DIFFERENT SCREENS



While riding, the computer screen will display trip distance, speed, clock, ride time. Press center button once to view Screen B, and again to view Screen C. Screens B and C will display for five seconds before returning to Screen A.

CHECK [Wrench Icon] [Oil Icon] REMINDER



x2sec

Select [Wrench Icon] or [Oil Icon] to check

NOTE:

Screen will remain for 5 sec, if no further button action, the screen will automatically come back to main screen A

STOP WATCH (TRIP TIME)



START

MODE

STOP

NOTE:

Use the left button to activate and de-activate the stop watch. The stop watch is viewed on Screen B as Trip Time (TT).

RESET TRIP INFORMATION (DISTANCE, TRIP TIME, RIDE TIME, MAX. SPEED, AVG. SPEED)



x2sec

HOLD LEFT AND CENTER BUTTON DOWN FOR 2 SECONDS

MODE

MODE

NOTE:

Screen will remain for 5 sec, if no further button action, the screen will automatically come back to main screen A

2. DETERMINE WHEEL SIZE (There are two methods to determine wheel size). Recommended settings: 2205mm (motorcycles) and 1676mm (ATVs).

METHOD A) ROLLING MEASUREMENTS

On a flat surface, mark the tire sidewall and the ground with marking pen. Roll the wheel until the mark on the tire completes one revolution and is back on the ground. Mark the ground at this location. Measure the distance between the marks on the ground and convert the measurement to mm (multiply inches by 25.4). Use this number for your wheel size. For accuracy, the riders weight should be on the bike when making this measurement.

For a more accurate measurement, use wheel size measurement from above or set the wheel size to 2205mm(motorcycle), 1676mm(ATV) and follow this procedure:

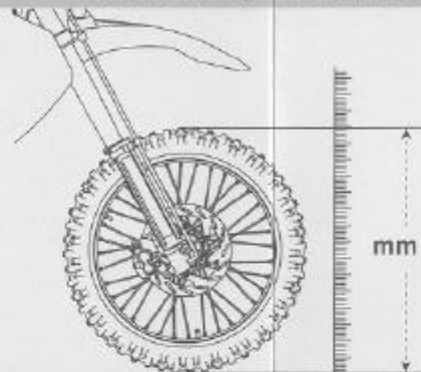
1. Find a length of road where the distance is known.
2. Ride the distance and note the distance the computer reads (for example, the road is known to be 5 miles and the computer shows 4.95 miles)
3. Using your numbers, solve for X in the following equation:

$$\frac{2205}{X} = \frac{4.95}{5.00} \quad \text{or} \quad \frac{\text{(current wheel size)}}{\text{(new wheel size)}} = \frac{\text{(current miles)}}{\text{(actual miles)}}$$

$$x = (2205 \times 5.00) / 4.95 = 2227\text{mm}$$

- 4 Enter the new number you found from the above method in your computer.

METHOD B) WHEEL SIZE MEASUREMENT



$$WS = \text{mm} \times 3.14$$

$$\text{mm} \times 3,14$$

WHEEL SIZE OF MY BIKES

BIKE 1 :

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BIKE 2 :

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3. INITIAL DATA SETTING

SET KM/H OR M/H Example : select M/H



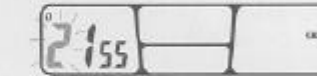
x2sec



Hold down all three buttons at once for 2 seconds. Then, touch any button to begin



Use left button to select KM/H or M/H



x1.5sec

Use center button to confirm M/H selection and move to WS setting

SET WS Example : 2155 → 1955



Use left button to adjust digit



Use right button to move to next digit setting



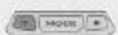
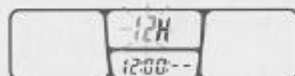
Use left button to adjust digit



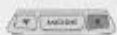
x1.5sec

Use center button to confirm WS setting and move to clock setting

SET 12H OR 24H CLOCK Ex. 24H 17:50



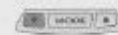
Use left button to select 24H or 12H



Use right button to move to clock setting



Use left button to set hours. Use right button to move to minutes setting



Use left button to set minutes



x1.5sec Confirm clock setting and start to set

SET REMINDER 100 km or 60 mi for bike 1 is pre-set 300 km or 200 mi for bike 2 is pre-set



Use left button to adjust digit



Use right button to move to next digit setting



x1.5sec Confirm setting and start to set

SET REMINDER 300 km or 200 mi for bike 1 is pre-set 990 km or 600 mi for bike 2 is pre-set



Use left button to adjust digit



Confirm and move to next digit setting



x1.5sec Confirm setting and move to odometer setting

Note: If oil reminder function will not be used, set all numbers to zero

Note: If maintenance reminder function will not be used, set all numbers to zero