



I-Meter T120

DIGITAL MULTIPLE INDICATOR FOR TOYOTA RAV4 1994-2000

1) INTRODUCTION

Thank you for choosing a PZR product. The I-meter is a next-generation time/tilt/temperature/voltage indicator specially designed to fit into the original clock housing of your car. The I-meter features a high-brightness TFT IPS color display that displays the following values:

- TIME
- TILT (Roll - Pitch)
- TEMPERATURE
- BATTERY VOLTAGE

The H100 has no buttons; thanks to its touchscreen, you can view the various settings with a simple touch of the display.

Technical Specifications:

- Power supply: 7 to 20 Volts
- Consumption: less than 80mA
- Measurable temperature range
- H100 version: -55 - 125°C / -67 - 257°F
- 1.28" 240x240 IPS TFT display with 65K colors
- Capacitive touch screen
- 32-bit 240MHz dual-core processor
- Tilt accuracy: 1 degree
- Temperature accuracy: 1/10 of a degree
- Voltage accuracy: 1/10 of a volt
- Battery Backup to save the time in the event of a power failure
- Multilingual menu (ITALIAN - ENGLISH - FRENCH - GERMAN - SPANISH)
- Date format (day - month - year / month - day - year)
- Time format (12-24 / am-pm)
- Units of measurement (C° - F°)

2) INSTALLATION



PHOTO 1



PHOTO 2



PHOTO 3

- The I-Meter must be installed in place of the original clock (PHOTO 1).
- Unscrew the top screw in the dashboard frame and remove the frame (PHOTO 2).
- Unscrew the two screws on the steering wheel side (PHOTO 3).



PHOTO 4



PHOTO 5

PHOTO 6

- Unscrew the two lower screws on the radio frame and remove the frame (PHOTO 4).
- Insert your fingers behind the three buttons on top of the radio and push them out (PHOTO 5).
- Disconnect the three buttons from their connectors.
- Remove the four climate control control caps (PHOTO 6).



PHOTO 7



PHOTO 8



PHOTO 9



PHOTO 10

- Pull out the air conditioning button and remove the trim (PHOTO 7).
- Gently pull the dashboard out, but not completely to avoid damaging the wiring on the back. A few centimeters will be enough to access the back of the clock (PHOTO 8).
- Disconnect the original clock connector (PHOTO 9).
- Unscrew the 3 screws holding the original clock, remove it, and replace it with the I-meter by tightening the same 3 screws.
- Connect the 2 RED and BLACK I-meter wires to the PINK and WHITE/BLACK wires of the original clock's 4-pin connector, respectively, using the 2 supplied current taps.
- Turn on the ignition and check that the I-meter is working correctly.
- Reinstall all removed components.

3) DISPLAY:

The device can display four screens dedicated to "TIME" - "ROLL - PITCH" - "TEMPERATURE" - "BATTERY VOLTAGE"; when turned on, the last screen displayed before it was turned off will be shown.

To scroll through the screens, simply swipe your finger from right to left or vice versa on the display.

3.1) "TIME" SCREEN

On the "TIME" screen, you can select whether to add the temperature or voltage value by briefly pressing the display. You can also choose the dial type from three models:

- HANDED DIAL WITH YELLOW BACKGROUND (RETRO STYLE)
- HANDED DIAL WITH WHITE BACKGROUND (MODERN STYLE)
- DIGITAL DIAL (this screen also displays the date)

To select the desired dial, simply swipe your finger from top to bottom or vice versa on the display.

3.2) "TILT" SCREEN

The "TILT" screen will display two silhouettes of your Car in the color you selected and with the corresponding current tilt: the lateral silhouette (Pitch) on the left and the rear silhouette (Roll) on the right. The Pitch and Roll values will also be displayed numerically in a box above the corresponding silhouette.

3.3) "TEMPERATURE" SCREEN

The "TEMPERATURE" screen displays the temperature detected by the sensor.

3.4) "VOLTAGE" SCREEN

On the "VOLTAGE" screen, you can choose between three dial types:

- HAND DIAL WITH WHITE BACKGROUND
- HAND DIAL WITH BLACK BACKGROUND
- DIGITAL DIAL

To select the desired dial, simply swipe your finger from top to bottom or vice versa on the display.

4) CONFIGURATION

This section explains how to configure the various settings. To enter the settings menu, press and hold the display until it goes completely black. A screen with four icons for the relevant settings will appear:

4.1) SETUP:

- Press the "SETUP" icon
- The temperature unit setting (°C - °F) will appear. Select the unit using the + and - buttons and press "Next."
- The DATE format setting (dd/mm/yy - mm/dd/yy) will appear. Select the preferred format using the + and - buttons and press "Next."
- The TIME format setting (am/pm - 24h) will appear. Select the preferred format and the correct hours using the + and - buttons and press "Next."
- The HOURS setting will appear. Select the correct hours using the + and - buttons and press "Next."
- The MINUTES setting will appear. Select the correct minutes using the + and - buttons and press "Next."
- The DAY setting will appear. Select the correct day using the + and - buttons and press "Next."
- The MONTH setting will appear. Select the correct MONTH using the + and - buttons. + and - and press "Next"
- The YEAR setting will appear. Select the correct year using the + and - buttons and press "Next"
- To exit the time setting, simply press "Exit" at any time.

4.2) INCLINOMETER CALIBRATION

- Press the "LEVEL" icon
- Place the vehicle on level ground
- Press "Calibrate"
- The device will prompt you to wait a few seconds and then return to the main screen. Do not move or sway the vehicle during this time; the device will calibrate itself to allow for precise tilt measurement.

4.3) SELECTING THE BODY COLOR

- Press the "LEVEL" icon
- Press "Auto"
- The vehicle's silhouettes will appear on the display in the selected color. To change it, simply swipe your finger from right to left or vice versa.
- Once you've selected the desired color, press "OK."

4.4) LANGUAGE SELECTION

- Press the "WORLD" icon.
- The national flag of the corresponding language will appear on the display. To change the language, simply swipe your finger from right to left or vice versa.
- Once you have selected the desired language, press "EXIT."