



I-Meter S110 (interior temperature) I-Meter S110-E (outside temperature) I-Meter S110-H (engine temperature)

DIGITAL MULTIPLE INDICATOR FOR SUZUKI SJ 1982/1989

1) INTRODUCTION

Thank you for choosing a PZR product. The I-meter S110 is a next-generation time/tilt/temperature/voltage indicator specially designed to fit into the original clock housing of your SUZUKI SJ 1982-1989. The S110 features a high-brightness TFT IPS color display that displays the following values:

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

The S110 has no buttons; thanks to its touchscreen, you can view the various settings with a simple touch of the display. The front panel features a USB-C connector for charging a phone or any other USB device.

Technical Specifications:

- Power supply: 7 to 20 Volts
- Consumption: less than 80mA
- Maximum current delivered on the UCB-C connector: 0.5 Ampere
- Measurable temperature range
 - S110 version: -55 - 125°C / -67 - 257°F
 - S110-E version: -55 - 125°C / -67 - 257°F
 - S110-H version: 0 - 150°C / 32 - 302°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

The i-Meter S110 must be installed in place of the original dashboard clock on your Suzuki.

To power the device, simply connect the two RED (12V ignition) and BLACK (GROUND) cables; the connection is made using two "plug-ins" to connect the supplied two-pole cable to the two wires on the original connector for the original clock.

- Remove the original clock by pulling it outward and unhook the connector behind it.
- Locate the BROWN wire where the RED wire of the supplied two-pole cable must be connected via a plug-in connector, and the BLACK wire must be connected to the BLACK wire of the same cable via the other plug-in connector.
- Before placing the product in its housing, turn on the ignition and check that it turns on.
- Insert the device into the housing and press it all the way in.



FOR MODEL S110-E ONLY (DEVICE WITH EXTERNAL TEMPERATURE DETECTION)

Place the temperature sensor in a location in the engine compartment where it will not be affected by the high temperatures emitted by the engine, such as in front of the radiator or near the windshield wiper motor.

Route the sensor cable along with the existing wiring to the bulkhead and secure it with cable ties. Locate a cable gland to reach the cabin from the engine and route the sensor cable through it, then behind the dashboard to connect it to the white connector on the back of the product.

FOR MODEL S110-H ONLY (DEVICE WITH ENGINE TEMPERATURE DETECTION)

Install the 1/8" temperature sensor to detect the engine water temperature using a T-fitting (depending on your vehicle's engine, obtain the appropriately sized fitting), positioning it in a radiator inlet hose or in a specially designed thread.

Run the 2-wire cable along with the existing wiring to the passenger compartment bulkhead, securing it with cable ties.

Locate a cable gland to reach the passenger compartment from the engine and run the sensor cable through it, then behind the dashboard to connect it to the white connector on the back of the product.

Crimp the two red eyelet connectors on the sensor-side cable, one on the pin (M5) and one on the body at the base of the thread (M10), and screw the sensor in.

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 Panda 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.

Only for the S110-H model (engine temperature), 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.

3.4) SCHEMATA "VOLTAGGIO"

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."