



I-Meter P100 (interior temperature) I-Meter P100-E (outside temperature) I-Meter P100-H (engine temperature) *DIGITAL MULTIPLE INDICATOR FOR FIAT PANDA 141*

1) INTRODUCTION

Thank you for choosing a PZR product. The I-meter P100 is a next-generation time/tilt/temperature/voltage indicator specially designed to fit into the original clock housing of your Fiat Panda 141. The P100 features a high-brightness TFT IPS color display that displays the following values:

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

The P100 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.

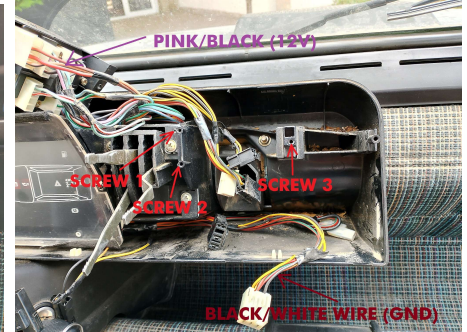
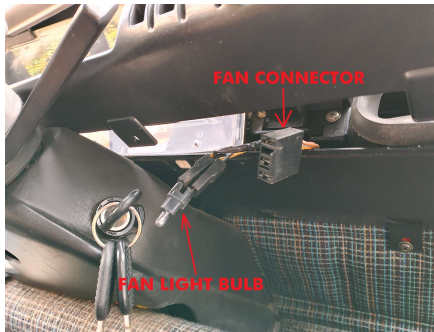
Technical Specifications:

- Power supply: 7 to 20 Volts
- Consumption: less than 80mA
- Maximum current delivered on the UCB-C connector: 0.5 Ampere
- Measurable temperature range
 - P100 version: -55 - 125°C / -67 - 257°F
 - P100-E version: -55 - 125°C / -67 - 257°F
 - P100-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 P100 must be installed in place of the cap/clock/cigarette lighter in the top right corner of the dashboard of your Panda 141. To power the device, simply connect the two RED (12V ignition key) and BLACK (GROUND) cables; the connection is made using two "power taps" to connect the supplied two-pole cable to the two wires on the original keypad.

-Remove the dashboard by removing the rubber "caps" on the sliding levers and unscrewing the 5 screws indicated in the image, remember to unhook the connector on the back of the dashboard together with the fan speed selector bulb holder:



-After having unhooked the plastic cap from the dashboard, where the P100 clock will be inserted, unscrew the three screws that hold the button panel and on the back look for the PINK/BLACK wire where the RED wire of the two-pole cable supplied must be connected via a "current tap" and the BLACK/WHITE wire to be connected to the BLACK wire of the same cable via the other "current tap".

FOR MODEL P100-E ONLY (DEVICE WITH EXTERNAL TEMPERATURE DETECTION)

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

Run the sensor cable along with the existing wiring to the bulkhead and secure it with cable ties. Route the cable through the rubber grommet near the steering column and then behind the dashboard to connect it to the white connector on the back of the product.

FOR MODEL P100-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. Route the cable through the rubber grommet near the steering column and 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.

Reassemble the dashboard and route the two-wire cable so that the end with the black connector emerges from the clock housing. Then connect the device and verify that it turns on by turning the key. If it remains off, check the connections and the vehicle's fuses. Otherwise, insert it into the housing until it clicks into place, as shown in the image.



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 P100-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) SCHERMATA "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."