



SPC100 Speedometer

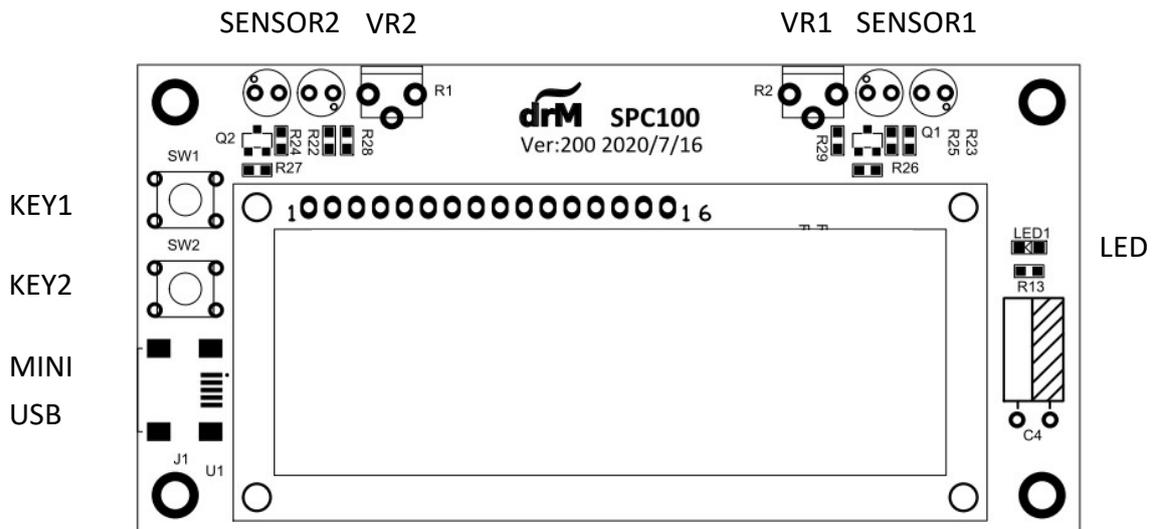
Ver1.07

SPC100

Features

1. For N/HO/OO/O gauge
2. Power by Mini USB 5V
3. Large LCD display
4. Freely switch N/HO/OO/O gauge
5. Two detection modes, reflective and blocking.
6. Size 100mm x 50mm x 14mm

Panel description



SERSOR1	Sensor 1
SERSOR2	Sensor 2
Key1	Select key 1
Key2	Select key 2
MINI USB	Power 5V input
LED	Power display
VR1	Sensor 1 sensitivity adjustment
VR2	Sensor 2 sensitivity adjustment

Instructions for use

1. Use a 5V adapter for the power supply.
2. The power 5V is plugged in by mini USB.
3. After turning on the power, the LED lights up and the LCD display “drM SPC100”.
4. After displaying for 3 seconds, the LCD will display the gauge menu N/O and HO/OO.



5. The Key1 selects N/O gauge. Press the button to enter N and O menu. The Key1 selects N gauge. The Key2 selects O gauge. Press the button to enter the detection speed state.
6. The Key2 selects HO/OO gauge. Press the button to enter HO and OO menu. The Key1 selects HO gauge. The Key2 selects OO gauge. Press the button to enter the detection speed state.



7. After the train passes through the detection zone. The LCD will display speed for 3 seconds.
8. After the SPC100 enters the detection speed state.

- Switch unit

1. Before the power is plugged of pressing the Key1 button.
2. After the power is plugged in, keep pressing key 1 until the LCD displays Km and MPH.



3. The Key1 selects Km. Key2 selects MPH.
4. The unit will auto save.

- Switch gauge

1. The LCD displaying detect speed to press the Key1 button enter select gauge.



- Switch mode

1. The SPC100 has two detection modes (Reflection and Block).
2. The train body color is a bright color system using reflection mode.
3. The train body color is a dark color system using block mode.
4. The LCD displaying detect speed to press the Key2 button enter select modes.
5. The LCD will display the mode menu reflection and Block.



6. The Key1 selects mode reflection. The Key2 selects mode block.
7. Use the reflection mode to detect that there can be no objects that reflect the light source in front.

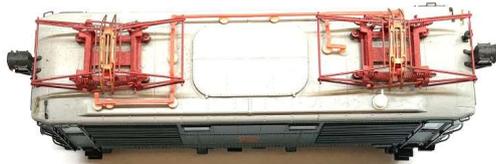
Use the mask mode to detect objects that reflect light sources on the opposite side of the track, such as white acrylic or white paper to provide reflected light sources.

- Sensor sensitivity adjustment

1. Power Off.
2. Press and hold Key2 before connecting to the power supply until SEN1 and SEN2 appear on the LCD.



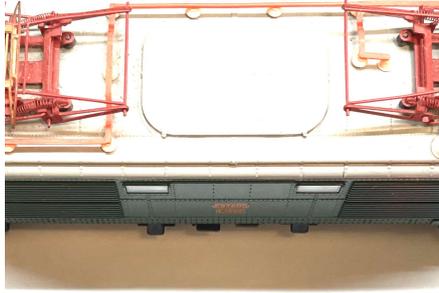
3. Place the vehicle in front to measure the distance.



4. Clockwise rotation detection is weak. Counterclockwise rotation detection is strong.



5. Adjust VR until the LCD shows OK!!



Precautions

- Do not place any conductive materials (liquid, metal...) on the SPC100.
- Do not remove or replace any components under the speedometer.
- Keep out of the reach of children under 14 years of age.
- The occurrence of the above situation will cause the speedometer to be damaged.