

# DYVO®

# 2.0

## Supplemental Guide

### **WARNING!!**

You must read, understand, and follow all warnings and instructions prior to using any DYVO® Product. Incorrect use of any DYVO Product can result in injury, shock, electrocution, fire, damage to DYVO, damage to property, or even death! Yes, death! The DYVO® Meter gets very hot in LOAD Mode™ when connected to circuits. This is due to the internal load resistors which generate heat. Always follow the steps below to reduce these risks.

1. Never connect to a circuit in LOAD Mode for longer than 2.5 minutes for every 5 minutes of use.
2. Ensure cool air can pass over the back of the DYVO Meter when testing in Load Mode.
3. Do not allow the DYVO Meter to come into contact with anything that can be damaged by heat, is combustible/flammable, or at risk of fire.
4. Do not touch the back of the DYVO Meter in LOAD Mode. Handle the DYVO Meter by the orange silicone bumper.
5. Never leave the DYVO Meter unattended when ON (connected to a power supply), regardless of which mode you are in.
6. If you smell burning, see smoke or fire, unplug the DYVO Meter immediately and discontinue use.
7. The DYVO Meter is intended for 12 Volt DC automotive circuits only. Never connect to any voltage above 18 Volts DC. Never connect to AC Voltages.
8. Only use the DYVO Meter when ambient temperature is between 32°F – 90°F (0°C – 32°C).
9. Always use fused test leads when connecting the DYVO Meter to a battery or power source.
10. Avoid placing the DYVO Meter in hot places such as the engine compartment for longer than 5 minutes.

**WARNING:** These products contain lead and other chemicals known to the State of California to cause cancer, birth defects, or reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### Why is “LOAD OFF” flashing?

If you see this...

**DYVO may be hot!!**



Your new DYVO® Meter comes with a feature to help reduce it from over-heating. The load resistors inside DYVO get very hot when testing circuits in LOAD Mode. This feature is designed to assist the user in possible over-use conditions.

#### How does it work?

If you are testing circuits for an extended period of time in LOAD Mode, the display will flash “LOAD OFF” to alert you that DYVO may be very hot and testing in LOAD Mode has been disabled. Allow DYVO to cool down to room temperature before further testing in LOAD Mode. \*\* DYVO will not automatically re-enable LOAD Mode. You are in full-control and can re-enable LOAD Mode at any time. *Do this only if DYVO is not hot. Do not immediately re-enable LOAD Mode until DYVO has had sufficient time to cool.*

LOAD Mode can be re-enabled by turning LOAD off, and then back on, using either the quick menu or main menu. Disconnecting and reconnecting the battery connections to DYVO will also re-enable LOAD Mode.

Note that only LOAD Mode is disabled. While waiting for DYVO to cool, you can continue testing in computer-safe mode by turning off LOAD Mode.

\*\*Time to cool down varies based on: ambient temperature, air circulation around DYVO (especially the back), location and orientation of DYVO, Voltage and Amperage, and usage time.

**CAUTION** – This feature is designed to assist the user while testing in LOAD Mode. It is the responsibility of the user to operate DYVO safely in accordance with all instructions and warnings. Users should always remain aware of the temperature of DYVO and should never become complacent while operating DYVO. This feature is not a substitute for user awareness or involvement and may not operate optimally under all conditions.

## Main Menu

To enter the main menu, press and hold the Mode button for 5 seconds.

Quick press and release of Mode button cycles between the 6 main menu options.

Press and hold the Mode button controls sub-menu options.

### 1. LOSS

- a. On = Displays the voltage loss (dropped) in a circuit. "V LOSS" icon on.
- b. OFF = Displays the voltage available in a circuit. "V" icon on.

### 2. LOAD

- a. On = Turns on load resistors to load a circuit. "LOAD" icon on.
- b. OFF = Turns off load resistors for computer-safe mode. "LOAD" icon off.

### 3. LEd

- a. On = Turns on all LEDs
- b. OFF = Turns off all LEDs

### 4. MM

- a. On = Min/Max mode on
- b. OFF = Min/Max mode off

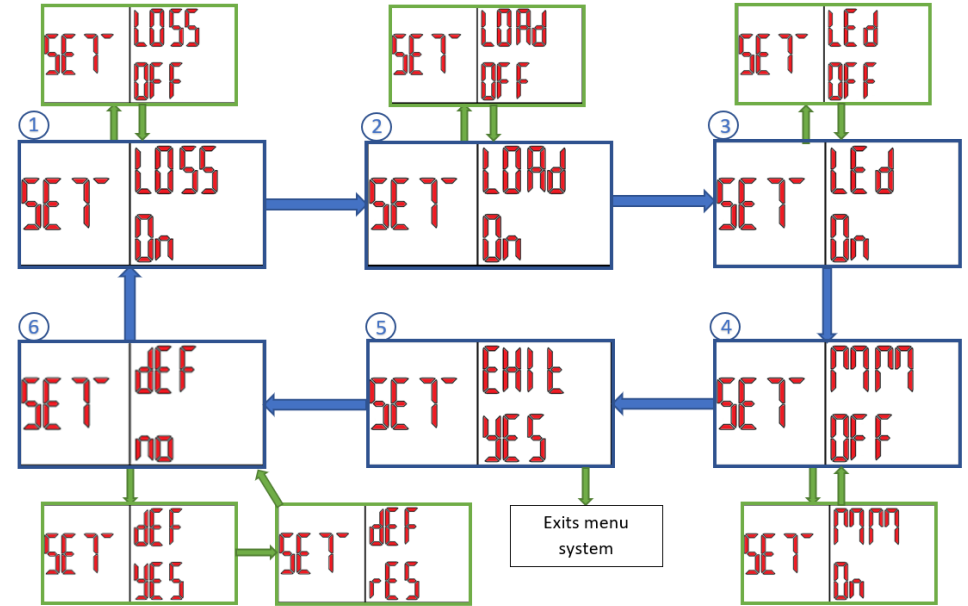
### 5. EXIt

- a. Exits main menu

### 6. dEF – Sets the default startup

- a. no = Any changes made to the menu will not be saved as the new default
- b. yes = Changes made in the menu will be saved as the new default
- c. rES = Resets default startup to factory

p. 3



p. 4

## Min/Max Mode

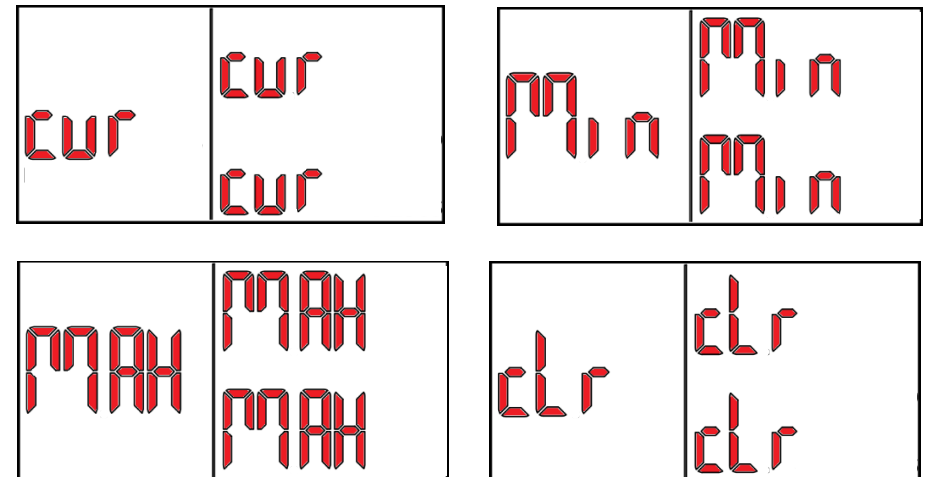
Min/Max mode records the minimum and maximum values, along with the corresponding LED color for the battery and both circuit channels.

Quick press and release of Mode button cycles between views:

- 1. **cur** = current values
- 2. **Min** = minimum values
- 3. **MAX** = maximum values
- 4. **clr** = Press and hold the Mode button for 3 seconds to clear min/max data

Min/Max data is recorded in all views listed above. No values are recorded while accessing the main menu. Accessing the main menu or powering off DYVO will clear min/max data. The Mode button does not control "V LOSS" or "LOAD" while in Min/Max mode. To change those settings, access the main menu.

p. 5



p. 6