

Zerone Zer onekda4y0nmoz

Zerone External S Meter SWR Power Meter User Manual

Model: Zer onekda4y0nmoz

Brand: Zerone

INTRODUCTION

This user manual provides comprehensive instructions for the Zerone External S Meter SWR Power Meter, designed specifically for use with Yae FT-857D and FT-897 transceivers. This high-performance meter offers excellent durability and stability, clearly displaying critical parameters such as automatic level control voltage, modulation level, standing wave ratio, and supply voltage.

- Only applicable for Yae FT-857D and FT-897.
- Clearly displays the automatic level control voltage, modulation level, standing ratio, and supply voltage.
- High performance and super stability.
- Easy to operate.
- High quality and excellent durability.

SETUP AND CALIBRATION

Receive Display Settings

To configure the meter for receive display:

1. Press the **(FUNC)** key to enter the setup menu and enable the extended menu.
2. Rotate **(SELECT)** to call up setup menu item No-061 (MTR ARX SEL).
3. Rotate **(DIAL)** to select an external instrument display option from the following:
 - **-SIG**
 - **-CTR**
 - **-VLT**
 - **-N / A**
 - **-FS**: Buckle in the instrument 1mA full scale output calibration standard external instruments.
 - **-OFF**
4. Press **(FUNC)** to save the settings and exit the setup menu.

Emission Display Settings

To configure the meter for emission display:

1. Press the **(FUNC)** key to enter the setup menu and enable the extended menu.
2. Rotate **(SELECT)** to call up setup menu item No-061 (MTR ARX SEL).
3. Rotate **(DIAL)** to select an external instrument display option from the following:
 - **-PWR**
 - **-ALC**
 - **-MOD**
 - **-SWR**
 - **-VLT**
 - **-N / A**
 - **-OFF**

Calibration Method

To calibrate the meter for accurate readings:

1. Press the **(FUNC)** key to enter the setup menu and enable the extended menu.
2. Rotate **(SELECT)** to call up setup menu item No-060 (MTR ARX SEL).
3. Rotate **(DIAL)** to select **FS**.
4. Using a small flathead screwdriver, adjust the calibration adjustment hole at the rear of the unit until the meter pointer reaches full scale.
5. The calibration is complete.



Figure 1: The Zerone External S Meter with its connecting cable.



Figure 2: A detailed view of the meter's display face, showing SIG, PWR, SWR, MOD, VOLT, and DISC scales.

OPERATING THE METER

Once properly set up and calibrated, the Zerone External S Meter provides real-time readings for various radio parameters. The meter's needle will indicate values on the selected scale (SIG, PWR, SWR, MOD, VOLT, DISC) based on your radio's operation mode (receive or transmit).

Refer to your Yaesu FT-857D or FT-897 transceiver's manual for specific interpretations of these readings in different operating scenarios.

External S Meter SWR Power Meter Receive Display Meters for Yaesu FT-857 FT-897



Figure 3: The meter clearly displays automatic level control voltage, modulation level, standing wave ratio, and supply voltage.

MAINTENANCE

The Zerone External S Meter is designed for durability. Regular maintenance is minimal but important for continued accuracy and longevity.

- Keep the meter clean and free from dust. Use a soft, dry cloth to wipe the casing and display face.
- Avoid exposing the meter to extreme temperatures or direct sunlight for prolonged periods.
- If the meter's pointer does not return to zero when the unit is off or disconnected, it may be due to transit bumps. In such cases, carefully adjust the self-zeroing screw located on the mask-side of the instrument. This screw is typically black.

Size: 6.7 cm * 7cm * 6cm



Figure 4: Dimensions of the Zerone External S Meter: 6.7 cm * 7 cm * 6 cm.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Zerone External S Meter.

Hidden Menu Access

If you are unable to find menu items No-060 or No-061 in your radio's setup menu, these menus might be hidden. To access them:

1. Long press the **F** key on your radio to open the menu settings.
2. Set the relevant menu option to **ON** to reveal the hidden menus.
3. Press the **F** key again to exit and save the settings.

Static Pointer / Zeroing Issues

The instrument is calibrated at delivery. However, transit bumps can sometimes cause the pointer to not rest at zero. If this occurs:

- Locate the black self-zeroing screw on the mask-side of the instrument.
- Gently adjust this screw with a small flathead screwdriver until the pointer rests at the zero mark.

SPECIFICATIONS

Feature	Detail
Brand	Zerone
Model Number	Zer onekda4y0nmoz
Compatible Radios	Yaesu FT-857D, FT-897
Item Weight	10.2 ounces (0.29 Kilograms)
Screen Size	3.5 Inches
Country of Origin	China
UPC	745781109282
First Available	August 12, 2019

WARRANTY INFORMATION


Specific warranty details for the Zerone External S Meter are not provided in this manual. Please refer to the product packaging or contact Zerone customer support for information regarding warranty coverage and terms.

CUSTOMER SUPPORT

For technical assistance, troubleshooting, or general inquiries about your Zerone External S Meter, please visit the official Zerone store or contact their customer service department. Contact information can typically be found on the product packaging or the manufacturer’s official website.

You can also visit the [Zerone Store on Amazon](#) for more product information and support resources.

Related Documents - Zer onekda4y0nmoz

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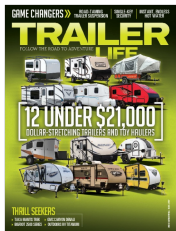
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