

## General introduction

### Overview

The ZMCE-1.0A is an economical ideal instrument for the basic HFC network. It is rugged, very simple and efficient to use, has a durable plastic shell and protective rubber jacket, and is convenient for one hand operation.



- Single channel mode displays the video level of the selected channel in the channel plan.
- Single Frequency Mode displays the frequency and level of the audio carrier for the selected channel.
- Voltmeter mode displays the battery voltage and trunk voltage.
- Dual Channel mode displays the video levels of any two selected channels in the plan
- Single channel measurement
- Single frequency measurement
- A/V, Dual Channel measurement
- Voltmeter measurement
- Digital average power measurement



### **A/V measurement**

In the single channel measurement mode, using **FUNC** key highlight the A/V icon and press **MHZ/ESC** key, the unit enters A/V measurement mode.

The screen shows the video and sound carrier frequency and strength, as well as the difference between them.

Press **MHZ/ESC** key to return the previous menu



### **Dual channel measurements**

In the single channel measurement mode, using **FUNC/SET** key highlight the Dual Channel icon and press **CHAN/ENTER** key. The unit enters dual channel measurement mode.

Using **FUNC/SET** key toggle between the two channels and using **LEFT/RIGHT** key turn the channel.

Press "0" to switch the present channel between analog channel and digital channel



### **Trunk voltage measurement**

In the single channel measurement mode, using **FUNC/SET** key highlight the Trunk Voltage icon and press **CHAN/ENTER** key.

The unit enters trunk voltage measurement mode.

## SPECIFICATIONS

Frequency	
Range	46MHz—870MHz
Accuracy	$\pm 50\text{ppm}$ ( $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$ )
Channel Type	
Analog TV	TV
Digital TV	QAM, QPSK,
FM channel	Single Frequency
Level Measurement	
Range	30dBuV—120dBuV
Accuracy	$\pm 2\text{dB}$ ( $10^{\circ}\text{C}$ to $30^{\circ}\text{C}$ )
Resolution	0.1dB
Trunk Voltage Measurement	
Input range	0-100VAC
Accuracy	$\pm 1.5\text{V}$ Resolution 0.1V
Audio Output	Built-in speaker
Dimensions	142mm X 82mm X 35mm
Gross Weight:	0.9kg
Net Weight:	0.28kg (without battery)
Display	320 X 240 Color LCD with backlight
Power Supply	
Charger	AC 100V-240V/50Hz
Working Time	Continuous 2.5 hours (full charged battery).
Charging Time	4-6 hrs.