Interphone®

User Manual

I-77 Hand-held Frequency Meter

Notice

1, In an explosive place, don' t turn the meter power on.
2, The meter is waterproof and damp proof, and don' t placed near a heater.
3, Do not use abrasive and alcohol and other spirits solvent cleaning the meter appearance.
4, Long time no used, remove the batteries to prevent battery leakage and corrosion the meter.

Overview

This Meter using dot-matrix LCD display , is designed to detect frequency, CTCSS and DCS of radio device. This meter adopts the antenna inductively measure, without the use of the feeder, direct detect, convenient and quick.

Features

- Frequency range: 1MHz ~ 2400MHz
- Detect CTCSS / DCS code within a second
- A variety of sampling time is optional
- 3 pieces 1.5V AAA alkaline batteries
- In detecting frequency mode the working current is about 46mA
- In detecting CTCSS / DCS mode the working current is about 100mA

- Auto power off: 1 minutes
- Attached: Antenna, User Manual

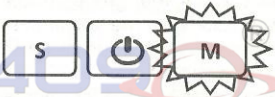
Operation

Power on and off: Short press the power button to turn the meter on, long press the power button to turn the meter off.

Detect frequency: The best distance between the detected device and This Meter is 5-20Cm. When detected a steady frequency, press the S button,the meter would stop to detect, record the displayed frequency or switch mode to detect code.

Short press the power button back detecting frequency mode.

Detect CTC / DCS: When a steady frequency detected, press the M button to switch mode to detect CTC, DCS NORM/INVERT code, the system will detect CTC, DCS code in the current mode. Short press the power button back detecting frequency.



(Note: If a detected code can' t be found in the DCS NORM mode, Switch to DCS INVERT mode todetect.)Detected a stable code, press Sto stop detection, record the displayed code. Short press the power button to return detect frequency mode.

Adjustment mode

Short press the power button, then release it when enter the startup display, press the M button to enter menu mode or press the S button to enter adjustment mode. After entering the adjustment mode, the S button for "+" function, the M button for "- "

function, the power button to enter the next menu.

1, Menu mode

In menu mode can set sampling time and smoothness. User can adjust sampling time and smoothness according to their need. Sampling time exist 1, 2, 3, 4, four groups: 0.25S, 0.5S, 1S, 2S. Default: 0.5S(Note: the longer the sampling time being set, the higher precision of the detected frequency.)

Smoothness exist 1, 2, 3, 4 four grade. Default: 3

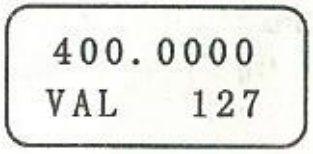
(Note: The higher the smoothness being set, the smaller the frequency fluctuations.)

2, Debug mode

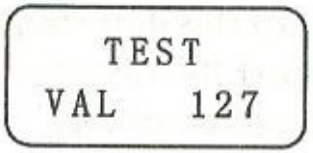
In debug mode can debug the meter.

(Note: If there is no standard source, do not adjust the parameters.)

Enter the meter to debug mode, adjust the frequency of the meter according to the frequency of the signal source. Long press the power button to shut down after adjusting.



Short press the power button to enter the TEST mode, which is just for factory internal debugging data, users do not adjust.



Ask and Questions

Q: The meter often garbled or freeze when detection processing normally.

A: Battery low, please change the batteries.

Q: If feeder can be used directly to the meter for detection?

A: This meter is an inductive detecting one, may not use feeder.

Q: The meter can not be shut down, and press any button no response.

A: Remove the battery, reboot and turn on again.

Q: The detected frequency is twice of the signal frequency.

A: Harmonic is too large, adjust the distance of the meter and the detected devise.

Q: Why the screen become dark or the detection is not exact when the meter being used to detect too closed to the detected devise.

A: The signal of the detected devise is strong, adjust the distance of the meter and the detected devise.