

## NV2132 Mobile Phone Trainer



### Technical Specification:

**Cellular System:** EGSM/GSM 900

**Rx Frequency Band:** EGSM 925.....960MHz  
GSM 900 935..... 960 MHz

**Tx Frequency Band:** EGSM 880 ....890 MHz  
GSM 900 890 ....915 MHz

**Output power:** + 5 ... + 33dBm/3.2 mW....2W

**Channel Spacing:** 200 KHz

**Antenna:** Loop type, 50 ohms

**Display:** 84 \* 48 pixels

**On Board sections:** Antenna, Keypad, SIM, Charging Circuit, Clock,

**User Interface:** Buzzer, Vibrator, LEDs.

**No. of Test points:** 41

**No. of switched faults:** Buzzer, Vibrator, LEDs

**No. of switched points:** 25

**Features that can be set:** Screen saver, Ring Tones, Logos and SMS etc.

**Power Supply SMPS Based:** 230V  $\pm$  10%, 50 Hz

**Accessories included:** Battery, Mains cord, Operation Manual, Hands free kit, CD containing mobile, phone working presentation

**Power Consumption:** 3.6VA Approx.

**Power Supply:** 220V  $\pm$ 10%, 50Hz/60Hz

- ◆ Real time Mobile Operation
- ◆ Expended & open Trainer
- ◆ Full understanding of mobile phone working
- ◆ Provide study of all sections in mobile phone
- ◆ Frequency measurement & band verification
- ◆ Tx/Rx frequency measurement
- ◆ GSM Data rate
- ◆ 2G technology with GSM signals
- ◆ Detail study of SIM operation
- ◆ Switch faults
- ◆ CD containing mobile phone working presentation
- ◆ Battery Identification & Charging study

### Scope of Learning:

- Ø To study & measure frequency band
- Ø To study & measure the GMSK signal such as Tx I/Q, Rx I/Q
- Ø To study & observe the system CLK
- Ø Observation of Audio Signal
- Ø To study and measure the power supply
- Ø Study charging phenomena with fault insertion
- Ø Study & measure PWM signal of UI circuit such as vibrator, LED & Buzzer
- Ø Key pad study with fault insertion
- Ø Observe & measure the SIM card CLK with fault insertion and many more...

### Manufactured By:

**NVIS Technologies**

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