

NEAT

Mi



Features

The NEAT *Mi* is a Multi-Instrument which provide among others the rare capability of in-circuit microchip testing. Combined with the build-in curve tester, make it ideal companion for the repair oriented technician. The features of this device does not stop here. Below described characteristics which can be extend even at the field of research and development:

- Dual channel oscilloscope, with external trigger (11 trigger sources to choose from).
- Powerful VI curve tester, (known also as tracker or tracer). Variable resistance 22Ω – 15kΩ. Variable voltage 0 – 8Vpp, variable frequency 1Hz – 6kHz. Additionally Auto and Switching resistance mode.
- 8-channel logic analyzer. Voltage output ability 3-18V, and threshold input option TTL and CMOS.
- 4+2 channel logic generator, 3-18V, 4 patterns, 5 speed levels, with overload protection.
- In circuit Logic IC testing. Support wide range of logic and digital ICs
- Triple frequency meter. 2 analog input, and 1 digital.
- Pulse counter function.
- Dual Voltmeter, with Vpp and Vdc option , + mini waveform display for each channel.
- Optocoupler testing. Support conventional, mosfet, and logic type.
- In circuit Analog IC testing. Support all conventional OPAMPs, + multiplexers.
- Powerful wave generator. 1Hz-125kHz, sinus/triangle/square/exponential/custom waveforms. Variable voltage, frequency, offset, and duty cycle. Full parametric sweep function.
- Protocol sniffer: SPI, I2C, UART and RS485/RS422, Full adjustable (baud rate, bits#, etc).
- Advanced triggering system: Normal, Single, Auto, Free. Trigger options for Rising, Falling, Window, Post.
- XY Mode.
- Audio spectrum analyzer. Single or dual channel option. Normal, Logarithm, and IQ option.
- Oscilloscope math: Addition, Multiplication, Average, invert.
- Horizontal and vertical cursors, with automatic waveform measurement.
- Built-in elementary power supply, with +5V, +3.3V, and -5V output, with PTC resettable fuses.
- Connection with PC. Support Windows, Linux, and Mac. Android application available.
- Details: Built-in breadboard, and foldable supporting legs with adjustable inclination.
- All the above in an absolutely portable form: 140mm x 58mm x 47mm.