



### Oscilloscope, Function generator and Power supply in one.



LAB-2

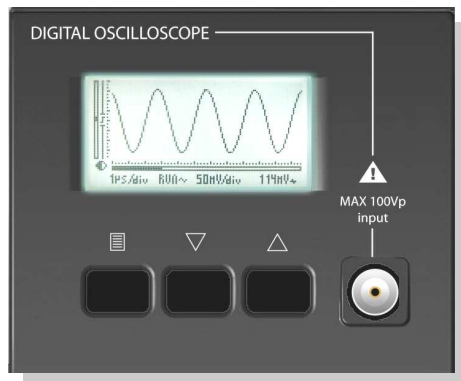


#### Another 3 in one unit from Velleman!

Following the success of our LAB-1 unit, a LAB-2 unit is born.

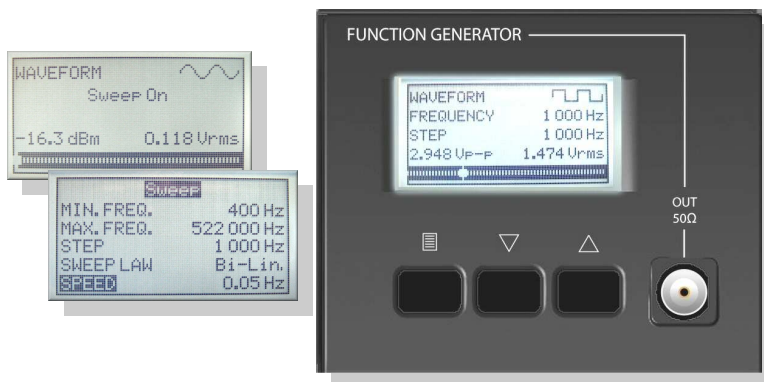
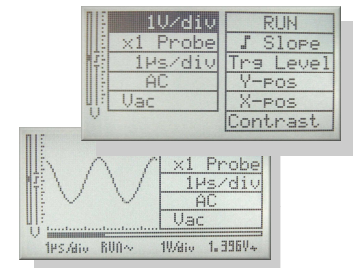
This unique unit includes a Digital Oscilloscope, a Digital function generator and a simple but easy to use power supply. The 3 units are electrically separated for ease of measurement.

Measuring and testing just became easier and more affordable then ever!



#### Oscilloscope 40MS/s

- Bandwidth: Up to 10 MHz  $\pm 3$ dB at selected V/div
- Input range: 1mV to 20V/division in 14 steps
- Input coupling: DC, AC and GND
- Sample rate up to 40MS/s
- AD resolution: 8 bits
- Time base: 250ns to 1h per division
- Auto set-up function
- Probe X10 readout option
- Readouts: DC, AC+DC, True RMS, dBm, Vpp, Min-Max. ( $\pm 2.5\%$ )
- Audio power measurement in 2 to 32ohm
- Max 100Vp AC+DC (input 600Vp using X10 probe)
- Standard 1M Ohm 60MHz x1 - x10 probe (included)
- LED backlight



#### 1MHz Function generator

- DDS type generator (Direct Digital Synthesis)
- DAC resolution: 10 bits
- Frequency range: from 1Hz to 1.000.000Hz ( $\pm 0.01\%$ )
- Frequency steps: 1Hz, 10Hz, 100Hz, 1kHz and 10kHz
- Waveforms: sine, square and triangle
- Sweep function with bi-direction option
- Output voltage: 15Vpp maximum
- Real output level measurement: dBm / Vrms or Vpp readout ( $\pm 3\%$ )
- Typical sine wave distortion (THD):  $< 0.1\%$  @ 0dB / 600ohm
- Square wave rise/fall time: 0,2 $\mu$ s typ.
- Output impedance: 50 Ohm
- Multi- language menu (Eng / Fre / Dut / Ge / Es)
- LED backlight



#### Power supply

- Voltage output (fixed voltages): 3V, 5V, 6V, 9V, 12V ( $\pm 5\%$ )
- Peak output current: 1A
- LED Output overload indicator
- LED Output ON indicator
- Output ON/OFF switch

#### In the box:

- LAB-2 unit
- Oscilloscope probe

- RCA adaptor
- Manual
- AC cord

Power supply: 115 or 230Vac / 20VA

