

ScopiX generation IV - Stand-alone portable digital oscilloscope from 60 to 300 MHz with isolated channels: START-UP GUIDE: 4 steps

Step 2: Connection of the **PROBIX** probes and adapters to an input. A safety message indicates the maximum input voltage according to the overvoltage category, in relation to earth and between channels, as well as the type of sensor.

Fit the **PROBIX** with an elastic band or interchangeable collar (supplied) of the same colour as the channel.

The **"Home"** key:

- takes you back to the home screen
- gives access to the Oscilloscope, Multimeter, Logger and Harmonics modes
- gives access to the general configuration, file management and the firmware version
- exits from the mode selected.

The **brightness** is adjusted automatically, but it can also be adjusted using the key on the front panel.

The screen can be **calibrated** from the home window by pressing this key.

Full screen → This option organizes the screen to optimize the area available for plotting the curves.

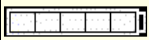
Deactivation of:

- the menu bar
- the parameters of the time-base traces
- the bargraph

Step 1: Hook up the **power supply**: connect the 4-point cable to the DC-INPUT, after first removing the protective film behind the battery.

Press the **ON/OFF** button → the LED lights up orange.

The charger indicator flashes orange if no battery is present. When it is fully charged, it turns green.



Batt. indicator in bottom right-hand corner of screen



Battery or mains power supply

RUN / HOLD :

- authorizes or halts acquisitions in triggered and automatic modes,
- resets the oscilloscope trigger circuit to ONE-SHOT
- 3 acquisition statuses:
RUN, STOP, PRETRIG = ACQUISITION

Step 3: the **stylus** can be used to select icons, measurement functions or configurations on the touch screen.

AUTOSET: in oscilloscope mode, automatic optimization of the settings of the channels where a signal is applied: coupling, vertical sensitivity, time base, slope, framing and trigger.


Screenshot or .png capture accessible in each mode.




→ View the file manager in the "screenshot" directory.

Zoom on the centre of the acquisition, with dual display:





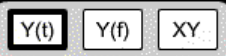



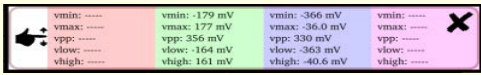
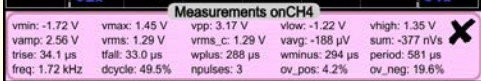









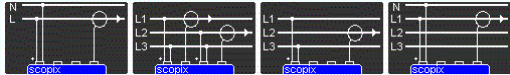






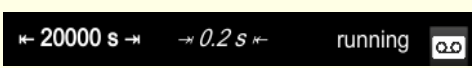


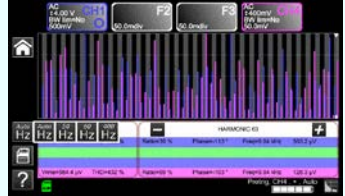

- zoomed signal,
- complete signal.

Step 4:  **General configuration** of the oscilloscope with setting of the date, time, language, automatic standby mode, recall off the default configuration and the peripherals:



Check the  icon to ensure that the μSD card is present (SDHC8, 8 GB) in its slot, otherwise the data will be stored by default in the 64 MB internal memory.

- ETHERNET interface (by default)
- WiFi interface

Modes	ON-SCREEN Management	KEYBOARD management	Types of files managed in FileSystem 
 <p>OSCILLOSCOPE mode</p>	 <p>CHx: Measurement channel F: Math function</p> <p>Choice: MATH F, simple or complex </p> <p>Y(t) or Y(f) or XY time base </p> <p>Trigger, 4 levels →  TRIG</p> <p>AUTO meas., 4 simultaneous channels →  AUTO meas.</p> <p>AUTO meas., per channel →  AUTO meas.</p> <p>depending on channel colour </p> <p>Measurements on CH4 </p>	<p>Channel </p> <p>Math function  Math 2</p> <p>Autoset </p> <p>Trigger </p> <p>Auto meas.  AUTO  CURS.</p>	<p>Setup Trace Math Screenshot</p>
 <p>MULTIMETER mode</p>	 <p>Choice of measurements on channel 1: Voltmeter, Ohmmeter, Continuity, Capacitance, diode test</p> <p>Power → </p> <p>Choice of connection </p> <p>Secondary measurements →  Frequency  Min/Max  Relative</p>	<p>Choice of Coupling and Filter </p> <p>Start or Stop meas. </p>	<p>Setup Screenshot</p>
 <p>LOGGER mode</p>	 <p>Automatic recording of 100,000 meas. per channel in Multimeter mode, at a rate of one measurement every 0.2 sec for a duration of 20,000 sec. (N files of 100,000 measurements)</p>	 REF CHx CURS.	<p>Setup Screenshot Recordings</p>
 <p>HARMONICS mode</p>	 <p>Harmonic decomposition of a voltage or a current Fundamental frequency 50 / 60 / 400 Hz Harmonic orders: 1 to 64 Measurement of Vrms, global THD and per order</p>	 RUN HOLD CH I	<p>Setup Measurement Screenshot</p>