

## 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.

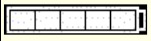
Deactivation of:

- 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:



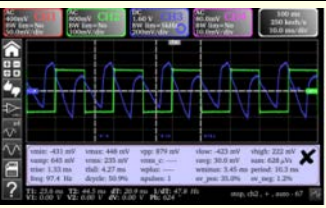
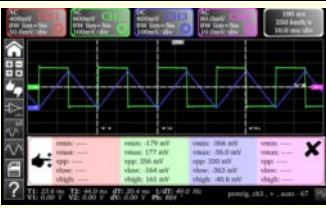











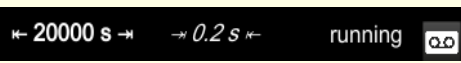



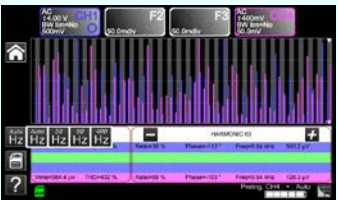


- zoomed signal,
- complete signal.

**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 
 <b>OSCILLOSCOPE mode</b>	  <p><b>CHx:</b> Measurement channel <b>F:</b> Math function</p> <p>Choice: MATH F, simple or complex</p> <p>Y(t) Y(f) XY Y(t) or Y(f) or XY time base</p> <p>Trigger, 4 levels →</p> <p>AUTO meas., 4 simultaneous channels →</p> <p>AUTO meas., per channel →</p> <p>depending on channel colour</p>	<p>Channel </p> <p>Math function  Autoset </p> <p>Trigger </p> <p>Auto meas.  Cursors </p>	<b>Setup Trace Math Screenshot</b>
 <b>MULTIMETER mode</b>	 <p>Choice of measurements on channel 1: <b>Voltmeter, Ohmmeter, Continuity, Capacitance, diode test</b></p> <p>Power →</p> <p>Secondary measurements →</p> <p>Choice of connection</p> <p>Frequency Min/Max Relative</p>	<p>Choice of Coupling and Filter </p> <p>Start or Stop meas. </p>	<b>Setup Screenshot</b>
 <b>LOGGER mode</b>	 <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>	 	<b>Setup Screenshot Recordings</b>
 <b>HARMONICS mode</b>	 <p><b>Harmonic decomposition of a voltage or a current</b>  Fundamental frequency 50 / 60 / 400 Hz  Harmonic orders: 1 to 64  Measurement of Vrms, global THD and per order</p>	 	<b>Setup Measurement Screenshot</b>