

PRESS Release

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Type of product: **Portable digital oscilloscopes**

Product names: **OX 9062, OX 9102, OX 9104, OX 9304**

Portable digital oscilloscopes SCOPIX IV

The new, comprehensive, stand-alone, portable, IP54, METRIX® SCOPIX IV oscilloscopes are equipped with channels which are genuinely isolated from one another and from the earth with 600 V CAT III safety. They offer all the analysis modes: multimeter, analyser, recorder and viewing of the files recorded on the oscilloscope. Designed and developed using the latest cutting-edge technology, their ergonomic format ensures optimum user comfort.



› Ergonomics: new design

With its backlit 7" WVGA TFT colour touch screen with black background which makes it particularly easy to read, menus available in more than 13 languages and the design of the keypad and casing, the SCOPIX IV offers optimum user comfort. The keypad on the front panel has been completely redesigned to make it simpler to use with protective gloves. It includes 5 specific direct-access zones (Utilities, Measurements, Vertical, Horizontal, Trigger).

In the field, an adjustable strap allows hands-free use, while in the laboratory, the stand offers excellent stability when placed on a table or bench. Each channel and its related parameters can be identified by the use of an identical colour against a black background for simpler, quicker viewing. A set of interchangeable coloured rings enables you to link the PROBIX accessory to the colour of its channel. The plug-and-play PROBIX accessories are quick to set up and prevent any risk of errors. The coefficients, scales and units of the sensors and the configuration of the channels are managed automatically and the probes and adapters are recognized as soon as they are connected.

› Multiple communication modes

The various communication interfaces are isolated from one another and from the measurement channels. These communication interfaces are grouped in a dedicated area protected by a cover:

- USB host for communication with a PC
- Wired RJ45 or WiFi for communication with a PC or printing on a network printer
- µSD for data storage without transfer problems and for upgrading the instrument's firmware.

› Measurements & analyses

Equipped with unprecedented functions, with bandwidths from 60 MHz to 300 MHz, the SCOPIX IV benefits from genuine high performance thanks to its **12-bit converter** with a vertical resolution of 0.025 %. In addition to its advanced trigger functions (pulse width, counting, delay), the SCOPIX IV also proposes **20 automatic measurements** per channel associated with the cursors for full analysis. The SCOPIX IV benefits from standard and advanced "MATH" functions for defining a mathematical function and vertical scaling with definition of the real physical unit for each of the channels.

When seeking the source of noise in the logic circuits, effective, accurate diagnosis is possible by applying **real-time FFT** while viewing the waveform and then performing qualitative analysis of the harmonics and the distortion of the signal and examining the pulse response.

The **multi-channel 8,000-count 200 kHz TRMS multimeter** measures amplitudes, resistance, continuity, capacitance, frequency and temperatures. When used with the **logger**, the SCOPIX IV automatically makes time/date-stamped graphical recordings. **Power measurements** are available in this mode: single and three-phase power, active, reactive and apparent power, power factor. The multi-channel harmonic analyser displays the first 63 orders for signals whose fundamental frequency is between 40 and 450 Hz.

Processing the data

On the oscilloscope, users can recall the curves stored in the memory in the various modes and can access the screenshots using a viewer. On their PC, using the ScopeNet application available via your web browser with a USB or Ethernet connection, users can control the SCOPIX IV remotely and can program it using SCPI commands.

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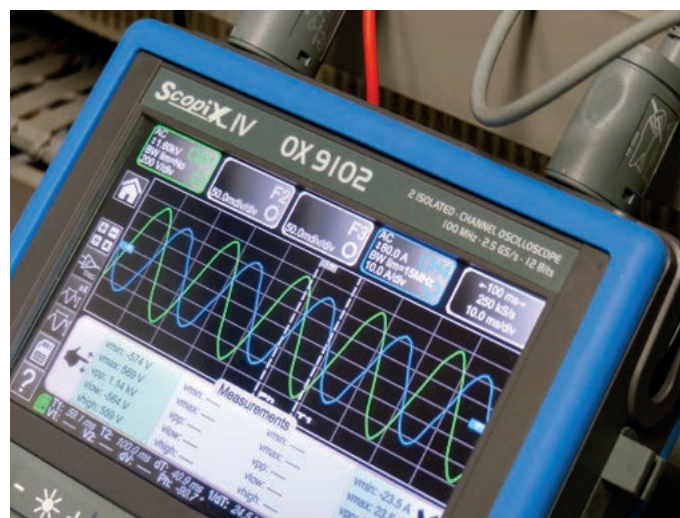
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Applications

For **electronics maintenance**, the **OX 9304** model is ideal, with its 300 MHz bandwidth, 4 x 600 V CAT III isolated channels, advanced trigger functions, integrated FFT function, complex mathematical calculations on the curves, automatic measurements on 4 channels and built-in WEB server.

For **industrial maintenance**, the **OX 9062's** vast 7-inch screen, 60 MHz bandwidth, 2 x 600 V CAT III isolated channels and harmonic analyser and multimeter modes make it capable of handling all industrial maintenance applications.

SCOPIX IV oscilloscopes can also be used for work in the automotive sector, technological training, etc



Technical specifications

- Bandwidth from 60 MHz to 300 MHz
- 2 or 4 totally-isolated channels
- 30 direct command keys on the front panel
- Sampling rate: 2.5 GS/s in one-shot mode and 100 GS/s max in ETS zoom mode
- Quick battery charging in just 2 hours; battery life up to 8 hours
- Communication: Ethernet/WiFi/USB/μSD. The Ethernet network interface with ScopeNet web server can be used to take control of the instrument remotely and transfer curves or screenshots without any additional software.
- **High-capacity** μSD storage; above 32 GB: SD, SDHC, SDXC
- A ScopeNet ANDROID applications is available from Google store.
- **PROBIX** plug-and-play accessories: quick, error-free implementation. The coefficients, scales and units of the sensors and the configuration of the channels are managed automatically and the probes and adapters are recognized immediately as soon as they are connected.
- Delivered complete in a bag with its measurement accessories

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