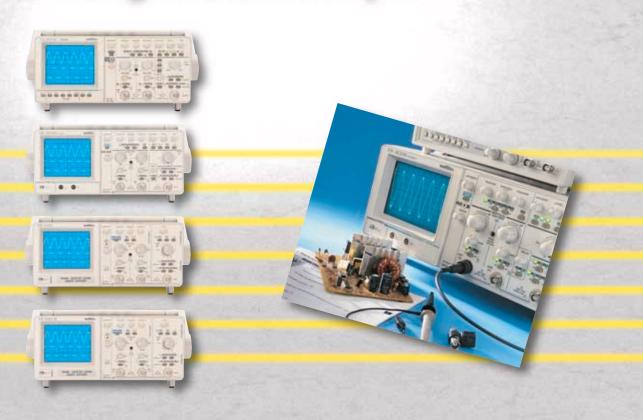
## 20 to 150 MHz Analogue Oscilloscopes



# Because 80% of signals are periodic, analogue technology is still the reference display method

- Complete uniform range of low-cost models
- Wide input dynamic range: 1 mV/div. and up to 20 V/div.
- Surface-mount technology and software switching: modern and reliable
- Microprocessor control for maximum simplicity
- Autoset on all models
- Excellent tracing quality and specific contrast filters
- Readout and measurement cursor (OX 863B)
- Optional RS 232 interface and associated software for remote control by PC
- Multiple mains supply (94 to 264 V and 48 to 440 Hz)



# OX 863B - OX 803B - OX 530 - OX 520B: 20 to 150 MHz Analogue Oscilloscopes

### Easy to use

The active selection is clearly displayed by LED for each function, and the last set-up used before switching off is automatically restored when the

instrument is switched on again.

For optimum efficiency, these 4 models are equipped with an active AUTOSET function on both channels. This enables a good representation of the signal to be quickly obtained.

D for each
AUTOSET button to
the right of
the screen.

AUTOSET/
ABORT

### A coherent range

The oscilloscopes in this uniform range feature similar traditional front panels with the controls all grouped together in functional clusters. Switching from working with one model to another is therefore a quick process that does not require any extra training.

This coherence between models is true of all METRIX oscilloscopes, by whatever technology they work (analogue or digital), and this comes into its own when working with a large fleet of instruments.

### Video line counting

Each model has a TV trigger mode, enabling "line" or "frame" synchronisation of the video image. The OX 863B

is further equipped with a complete line counting mode. This trigger mode makes it possible to display a particular line, chosen by the operator in a TV standard (525 - 625 lines), or a specific line (up to 1255). Detailed analysis of this line is possible using the second time base.

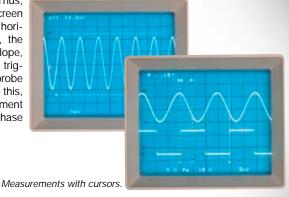


Making full use of TV signals.

### Readout and measurement cursors

Often regarded as an advantage reserved exclusively for digital oscilloscopes, the Readout function also comes on

analogue oscilloscopes. Thus, the OX 863B gives on-screen display of: vertical and horizontal offset coefficients, the triggering point and its slope, the line or standard in TV triggering mode and the probe coefficient. As well as all this, there's precise measurement of amplitude, time and phase with cursors.



### Serial link and software

Models OX 863B and OX 803B can be equipped with an RS 232 interface. This makes it possible to control and program their front panels from a PC, so as to integrate them into computer-controlled systems.





### **METRIX** reliability

These oscilloscopes bring together all the ingredients that go to make up modern oscilloscopes: electronic switching and surface-mount technology, among other things, go to increase their working life. On top of this, there is integral microprocessor control.



### Excellent trace and contrast quality

All models are equipped with blue screen filters and, thanks to their Philips tubes, these new METRIX analogue oscilloscopes offer excellent display quality. This is especially so since these instruments have an alternated trigger which enables stable display in all instances. With its high after-acceleration tube, the OX 863B makes it possible to observe fast signals with a high level of brightness.



The latest technology for greater reliability (Multiple mains supply).

### Varied applications

The OX 803B has an original component test function. Simply select the "TEST" display mode and connect the component to the "COMPONENT TESTER" terminals to display the frequency response curve I = f(V), i.e. the voltage on X and the current on Y.

### A wide input dynamic range

With an input dynamic range stretching from 1 mV/div. to 20 V/div., the OX 803B avoids the use of an attenuator or amplifier probe in most cases.

As for the OX 863B, it goes down to 2 mV/div, whilst the OX 530 and OX 520B reach 20 V/div.



### Accessories and ordering information

### Accessories included

In its basic form, each oscilloscope comes with a mains lead and a user's manual. A probe-equipped version exists of each model (probe supplied as standard for the OX 863B).

#### Optional accessories

AE0189 Carrying bag

HA1255 RS 232 communication kit for OX 803B\*

HA1267 Programming kit for OX 863B\*\*

HX0003 Probe: 1/10 - 150 MHz , Cat. II , 400 V HX0004 Probe: 1/10 - 250 MHz , Cat.II , 1000 V HX0006 Probe: 1/100 - 300 MHz , 5 kV peak

MX9003 Differential probe: 30 MHz

AM0030N Current probe: 100 A AC/DC - 100 mV and 10 mV/A AM0031N Current probe: 600 A AC/DC - 10 mV and 1 mV/A

\* Includes the interface, one lead and disk containing the Labwindows drivers, and front panel control software.

\*\* Includes one lead, the Labwindows drivers, and front panel control software.

To order

OX0863B-CFG Analogue oscilloscope: 2 x 150 MHz
OX0803B-CFG Analogue oscilloscope: 2 x 40 MHz
OX0530-CFG Analogue oscilloscope: 2 x 35 MHz
OX0520B-CFG Analogue oscilloscope: 2 x 20 MHz



OX 803B

40 MHz

OX 530

35 MHz

OX 520B

20 MHz

OX 863B

150 MHz

GENERAL SPECIFICATIONS	OX 863B	OX 803B	OX 530	OX 520B
Memorised set-up	1	1	1	1
Readout	Yes	-	-	-
Interfaces and software	(HA1267) Optional	(HA1255) Optional	-	-
Operating temperature	0 to 40 °C	0 to 50°C	0 to 40 °C	0 to 40 °C
Storage temperature	-20 to 70°C	-20 to 70°C	-20 to 70°C	-20 to 70°C
Universal supply	94-264 V (45/440 Hz)	94-264 V (48/440 Hz)	94-264 V (48/440 Hz)	94-264 V (48/440 Hz)
Dimensions L x W x H	435 x 330 x 163 mm			
Weight	5.5 kg	6.3 kg	5.5 kg	5.5 kg
IEC 61010 safety	Cat. II, 400 V			
Warranty	2 Yrs	2 Yrs	2 Yrs	2 Yrs

Characteristics subject to modifications according to technological developments.



### Instruments by Chauvin Arnoux

6, avenue du Pré de Challes - BP 330

TECHNICAL SPECIFICATIONS

Bandwidth

Vertical deflection

74943 ANNECY-LE-VIEUX Cedex Tel.: 33 4 50 64 22 22 - Fax: 33 4 50 64 22 13

190, rue Championnet 75876 PARIS Cedex 18

FRANCE

Tel.: 33 1 44 85 44 86 - Fax: 33 1 46 27 95 59

### UNITED KINGDOM

CA UK Ltd - Metrix Waldeck House - Waldeck Road Maidenhead SL6 8BR

Maidenhead SL6 8BR Tel. : (01628) 788 888 Fax : (01628) 628 099 MKW COMMUNICATION PAI

906 111 814 - Ed. 1 -

For assistance and ordering