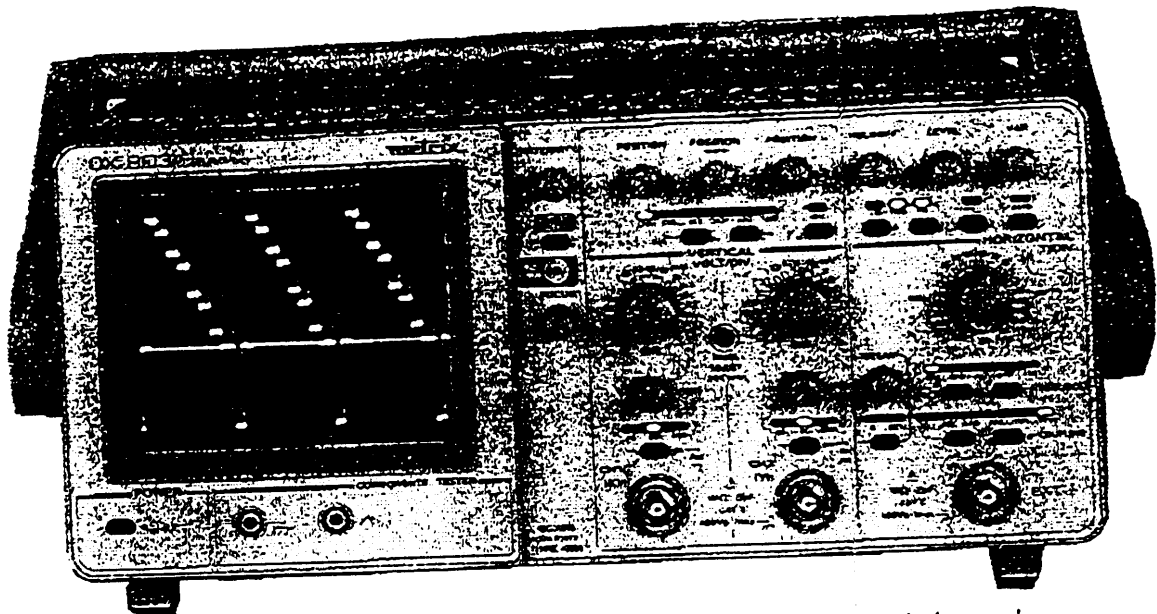




Analog Series

893-614

35 MHz Analog Oscilloscope OX803



The OX803 is the latest addition to the Metrix analog oscilloscope range. Dual channel model displaying signals up to 35 MHz, and above. The built-in AUTOSET facility is an innovation in this class of oscilloscope making it easier to use. Features designed to meet signal analysis and measurement needs in R&D, production, service and professional training applications.

Selection Guide Analog Oscilloscopes

To assist your choice of analog oscilloscope, the table below details the main characteristics of each Metrix model. The OX803 is detailed overleaf, other models on request.

	OX863	OX803	OX802	OX520
Bandwidth	100 MHz	35 MHz	20 MHz	20 MHz
Inputs	2 channels	2 channels	2 differential channels	2 channels
AUTOSET	yes	yes	-	-
Readout	yes	-	delayed trigger	-
Zoom	yes	delayed trigger	-	-
Measurements by cursors	yes	-	-	-
Video triggering	TV line counter	TV frame and line option	TV frame and line option	-
RS232 Interface	yes	option	option	-
Safety IEC 1010	Cat. II, 400V	Cat. II, 400 V	Cat. III, 500 V	Cat. II, 400V



Mesure

metrix

Analog Oscilloscope



IEC 1010

OX803

Analog Advantages

Signals are displayed in real time with no delay for analog to digital conversion and storage. And all of the signal is displayed rather than a set of points.

Ease-of-Use

With the new OX803 front panel, you can visualise the configuration of the oscilloscope directly by luminous indicator. Moreover, the OX803 has an AUTOSET feature to automatically set both the vertical and time scale for optimum measurements.

Built-in features

- AUTOSET
- Autoranging delayed sweep, to expand part of a waveform view
- TV frame and line trigger
- Time-base output
- Z-Modulation
- Component tester
- Optional RS232C interface and remote control software

ANALOG FUNCTIONS		OX 803
VERTICAL AMPLIFIERS		
Bandwidth (-3 dB)		
AC coupled	10 to 35 MHz	
DC coupled	0 to 35 MHz	
Sensitivity (1-2.5 Sequence)	1 mV to 20 V/div. $\pm 3\%$	
Fine adjustment (with «UNCAL» LED)	1 to 2.5	
Input impedance	1 M Ω $\pm 1\%$ / 25 pF	
Rise time	< 9 ns	
Max. input voltage	± 400 V max.	
VERTICAL MODES		
CH1, CH2, ALT, CHOP. Component Tester; -CH2, XY		
XY OPERATION		
Mode	CH1 in X, CH2 in Y	
Sensitivity	1 mV to 20 V/div.	
Bandwidth channel X (-3 dB)	0 to 2 MHz	
Input impedance	1 M Ω / 25 pF	
Phase difference	< 3° at 120 kHz	

TIME BASE TBA			
Sweep time	200 ms to 50 ns/div $\pm 3\%$		
Fine adjustment (with «UNCAL» LED)	1 to 2.5		
Delayed trigger	automatic		
Expansion x10: max. sweep	10 ns/div. $\pm 5\%$		
Hold-Off	variable 1 to 10 div.		
TRIGGERING			
Trigger indication	«TRIG» LED		
Sources	CH1, CH2, ALT, EXT, LINE		
Sensitivity			
Frequency range (MHz)	10	50	75
CH1, CH2, ALT (div.)	0.5	1	1.5
EXT (mVrms)	60	150	700
Modes			
	AUTO/NORMAL		
	Normal / Peak to peak		
Coupling	DC, AC, filters HF, LF, TV-V, TV-H		
Slope	positive, negative		

GENERAL SPECIFICATIONS		OX 803
ENVIRONMENT		
Safety IEC 1010-1	Cat. II, 400 V	
Degree of pollution	2	
Operating temperature	0 to 40°C	
Storage temperature	-20 to 70°C	
Relative Humidity	80% max. at 40°C	
Power supply	94-264 V (48/440 Hz)	
Consumption	50 W max.	
Dimensions	450 x 340 x 155 mm	
Weight	6.3 kg	
CRT (8x10 cm)	2 kV	
Accelerating voltage	2 kV	

CALIBRATOR	
Waveform	square wave
Amplitude	2.5 V $\pm 1\%$
Frequency	1 kHz $\pm 1\%$
Z MODULATION	
Input (rear panel)	BNC
Input impedance	2 k Ω
Sensitivity	TTL level and analog modulation between 1.3V and 2.6 V
Input frequency	4 MHz max.
AUTOSET	yes
INTERFACES	
RS232	option (HA1255)

Accessories and ordering information

Accessories supplied
OX803 oscilloscopes are supplied with a user's manual

Optional accessories
AE 189 Carrying case
HA 1315 Probes (x1/x10, 25/150)

HA 1255 Programming kit (contains : PCB assembly, 1 program diskette, 1 adaptor)

Order description
OX803 35MHz analog oscilloscope
OX803S Oscilloscope with 2 probes

Specifications Subject to change without notice

metrix

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