60 & 100 MHz
Digital Oscilloscopes-Analysers

MTX Oscilloscope-Analyser: the «Unique» original tool!

- 4 complemental Instruments to provide unique compactly and efficiency (Oscilloscope / FFT analyser / harmonics analyser /

metrix
The choice of professionals

MTX 3252 & MTX 3352: Oscilloscopes-Analysers

Technical specifications	MTX 3252	MTX 3352
HUMAN INTERFACE		
Screen specifications	Colour or monochrome 5''7 LCD - 320 x 240 resolution + CCFL backlighting	
Display Mode	Vectors, persistence – real acquisition points	
Traces on screen	4 refreshed traces + 4 references	
Front Panel Commands	21 commands + coder – Direct access & shortcuts – 1 multilanguage help key « ? »	
"On screen" Commands	« Windows like » & « on line user manual » – 100% commands from mouse	
Language choice	YES from menu, including English and French	
VERTICAL		
Bandwidth	60 MHz	100 MHz
Channels	2 channels - "class 1"	
Inputs Impedance	1 MΩ	
Maximum permanent input voltage	Cat. II / 300 V and 400 V (with HX0003 probe) – Derating 40 Vcc at 20 MHz	
Vertical Sensitivity	2.5 mV-100 V/div + vertical « Winzoom » expansion	
Vertical Accuracy	+/-2%	
Vertical Zoom	YES, unique and direct « 1 click » area zooming from mouse	
Probes Factors	Complete physical signal scaling + unit definition (virtual « windows » keyboard)	
HORIZONTAL		
Time base speed	From 1 ns up to 200 s/div.	
Horizontal total accuracy	+/-0.02%	
Horizontal Zoom	YES, up to 200 times factor (real acquisition points) - Direct « 1 click » area zoom in from mouse	
TRIGGER		
Mode	Auto, Normal, Single	
Source	CH1, CH2, EXT, LINE	
Type	Edge, TV-V,TV-H, Auto 50%	
Coupling	AC, DC, LFR, HFR, noise reduction	
Sensitivity (CH1 or CH2)	0.5 div	
DIGITAL MEMORY		
Maximum sampling speed	Repetitive signals = 20 Ge/s – Single shot = 100 Me/s	
Recording length	From 10 ns to 33 min 20 s	
Vertical resolution	8 bits	
Noise level	Standard Flash converter (very low noise)	
Memory depth	Depth = 50.000 points – 4 references + 4 memories for 50 k curves (maximum)	
« Windows » file system	YES, standard « .cfg », « .trc », « .fct » , « .txt », « .bmp », « .gif », « .prn », « .eps », « .pcl » formats	
GLITCH Mode	20 ns duration / Time Base from 1 µs to 200 s/div (60 MHz or 100 MHz bandwidth depending model)	
ENVELOPPE Mode	YES	
Average Mode	2, 4, 8, 16 and 64 factors	
Digital XY Mode	Between 2 from the 4 curves (complex math functions possible)	
OTHER FUNCTIONS		
AUTOSET	Complete + shortcuts AutoCH1» or « AutoCH2 »	
FFT Analyser & MATH functions	FFT, + , - , x , / and "User defined complex" math functions	
Cursors	3 cursors – V, T, PHASE	
Automatic Measurements	2 or 18 measurements out of 18 + automatic phase – On all curves types – Cursors and limits	
DIGITAL RECORDER (option)		
Acquisition interval	From 10 µs up to 10 min acquisition interval	
Recording length	From 25 ms up to 17 days 8 hours 40 minutes	
Acquisition modes	Level or Window conditions – « Normal acquisition » or 250 « defaults »	
Data's Analysis	Data Time stamping (time & date), complete physical signal scaling and unit definition, cursors measurements and events searching, standard file format for windows software's	
HARMONICS ANALYSER (option)		
Analysis domain	31 rows depth, 1 or 2 channels analysis	
Measurement capabilities	Simultaneous measurements: global RMS value & THD – Selecting row: %F, phase, freq., Vrms	

General Specifications	MTX 3252 and MTX 3352
Set-up memory	« No limitation »
CENTRONICS Printout	Standard / 7 printers modes and "printing in file"
PC Communication	Standard RS232C (up to 230.4 kbauds)
Mouse interface	Standard
USB interface	Option
Ethernet capability	Ethernet option / HTML server option
Power supply	90-264 V / 47-64 Hz / <12 W
Dimensions (W x H x D) - Weight	270 x 170 x 190 mm – 2.5 kg
Guaranty / Manufacturing	3 years / France

Specifications subject to change with technology

Ordering Information:

Standard delivery:
1 oscilloscope, 1 European standard power supply cable, 1 set of probes, 1 mouse, 1 CD-ROM.

MTX3252-M: Monochrome 60 MHz Digital Oscilloscope-analyser
MTX3252-C: Colour 60 MHz Digital Oscilloscope-analyser

MTX3352-M: Monochrome 100 MHz Digital Oscilloscope-analyser
MTX3352-C: Colour 100 MHz Digital Oscilloscope-analyser

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