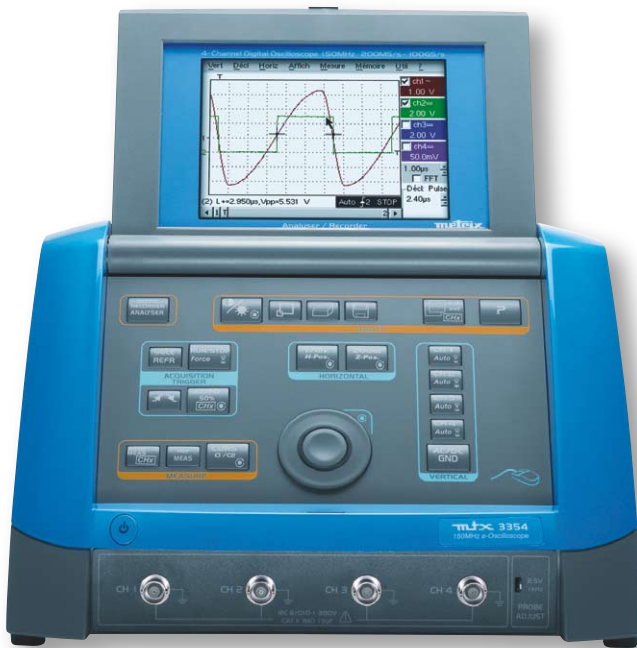


MTX Compact

150 MHz - 4 channels

Digital oscilloscope Analyser-Recorder



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

- 4 complementary Instruments to provide unique compactly and efficiency (Oscilloscope / FFT analyser / harmonics analyser / digital recorder)
- Sampling speed up to 100 Gs/s and 50 k memory depth each channel in «oscilloscope» mode
- 4 measurement channels and up to 8 traces on screen
- «Real time» standard FFT analyser, and complex maths functions
- Orientable colour LCD screen
- « Windows like » environment: direct «on screen interface» with mouse
- Front-panel for current commands and shortcuts (21 buttons + coder)
- Standard RS232, Centronics and USB interfaces
- Standard Ethernet with HTML server

A Brand of

MTX 3354: Oscilloscope-Analyser

Technical specifications		MTX 3354
HUMAN INTERFACE		
Screen specifications	Colour 5"7 LCD (115 x 86mm) - 320 x 240 resolution + CCFL backlighting	
Display mode	8x10 divisions - Vectors, persistence (500 real acquisition points on screen), interpolation	
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	From menu, 5 complete languages including English and French	
VERTICAL		
Bandwidth	150 MHz (20 MHz BWL for 2.5 mV/div)	
Channels	4 channels - "class 1"	
Inputs impedance	1 MΩ	
Maximum permanent input voltage	Cat. II / 300 V - Derating 40 Vcc at 20 MHz	
Vertical sensitivity	2.5 mV-100 V/div + vertical x 10 expansion (maximum sensivity 250 μV/div)	
Vertical accuracy	± 2 %	
Vertical zoom	Unique x 10 « Winzoom » - Graphical « 1 click » area zooming from mouse or from front panel	
Probes factors	Complete physical signal scaling + unit definition (virtual « windows » keyboard)	
HORIZONTAL		
Time base speed	From 1 ns up to 200 s/div. - Roll mode from 200 ms to 200 s/div	
Horizontal accuracy	+/- 200 ppm	
Horizontal Zoom	YES, up to 100 times factor (real acquisition points) - Direct « 1 click » area zoom in from mouse	
TRIGGER		
Mode	Auto, Normal, Single, Auto 50%	
Source	CH1, CH2, CH3, CH4, LINE	
Type	Edge, Pulse Width or Delay (20/40 ns-10.5 s), Event Delay (2-16384), TV Line Counter (525 = NTSC, 625 = PAL/SECAM), Hold-off (40 ns-10.5 s)	
Coupling	AC, DC, LFR, HFR, noise reduction	
Sensitivity (CH1 or CH2)	0.5 div up to 10 MHz, 1 div from 10 to 30 MHz, 1.5 div over 30 MHz	
DIGITAL MEMORY		
Maximum sampling speed	Repetitive signals = 100 Gs/s - Single shot = 200 Ms/s (2 channels), 100 Ms/s (4 channels)	
Recording length	From 10 ns to 33 min 20 s	
Vertical resolution	10 bits	
Noise level	Standard Flash converter (very low noise)	
Memory depth	Depth = 50.000 points - 4 references + 8 memories for 50 k curves (maximum)	
« Windows » file system	YES, standard « .cfg », « .trc », « .fct », « .txt », « .bmp », « .gif », « .prn », « .eps », « .pcl » formats	
GLITCH mode	10 ns duration / Time base from 1 μs to 200 s/div (150 MHz bandwidth)	
ENVELOPPE mode	YES (displaying 2 x 250 dots on screen)	
Average mode	2, 4, 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(2048 samples calculation), +, -, x, / and "User defined complex" math functions	
Cursors	3 cursors - V, T, PHASE	
Automatic measurements	2 or 19 measurements out of 19 + automatic phase - On all curves types - Cursors and Limits	
DIGITAL RECORDER (option)		
Acquisition interval	From 40 μs to 54 s acquisition interval	
Recording length	From 2 s up to 31 days	
Acquisition modes	Level or Window conditions on 4 channels - « Normal 50 k 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 (« .txt »)	
HARMONICS ANALYSER (option)		
Analysis domain	31 rows depth, 1 to 4 channels analysis - fundamental from 40 Hz to 5 kHz	
Measurement capabilities	Simultaneous measurements: global RMS value & THD - Selecting row: %F, phase, freq., Vrms	

General specifications	
Set-up memory	« No limitation »
CENTRONICS Printout	Standard / 7 printers modes and "printing in file"
PC communication	Standard RS232C (up to 115.2 kbauds)
USB interface	Standard USB to UART (921.6 kbauds)
Ethernet capability	Standard / with HTML server included
Mouse interface	PS2 compatible type
Power supply	90-264 V / 47-64 Hz / < 12 W
Dimensions (W x H x D) - Weight	210 x 177 x 200 - 2.5 kg
Guaranty / Manufacturing	3 years / France

Standard delivery:

1 oscilloscope, 1 European standard power supply cable, 4 x 1/1 - 1/10 200 MHz probes, 1 standard PS2 mouse, 1 mouse area rug, 1 x 2 m RJ45/RJ45 straight cord, 1 x 2 m RJ45/RJ45 crossed cord, 1 x 1.80 m USB.A/B. cord, 1 CD-ROM.

MTX3354E-C: Colour 150 MHz, 4 channels digital oscilloscope-analyser

MTX3354E-CK: Colour 150 MHz, 4 channels digital oscilloscope-analyser + PC Software



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