

	SCOPEin@BOX				DIDASCOPEin@BOX	
	MTX 1052B	MTX 1052C	MTX 1054B	MTX 1054C	MTX 162	MTX 112
MAN-MACHINE INTERFACE						
Display	Colour PC screen display / 8 x 10 div / Multi-windowing with up to 4 curves on screen / "Windows-like" interface & online help					
OSCILLOSCOPE MODE						
Vertical deflection						
Bandwidth	150 MHz	200 MHz	150 MHz	200 MHz	60 MHz	10 MHz
Number of channels	2 channels, class 1, common chassis earths		4 channels, class 1, common chassis earths		2 channels, class 1, common chassis earths	2 differential channels
Vertical sensitivity	2.5 mV – 100 V/div, up to 250 μ V/div with vertical expansion				5 mV to 100 V/div	20 mV to 100 V/div
Horizontal deflection						
Sweep speed	35 calibres from 1 ns to 200 s/div				32 calibres from 5 ns to 100 s/div	29 calibres from 100 ms to 200 s/div
Triggering						
Mode	Auto, Triggered, One-shot ROLL, auto-level at 50 %					
Sources	CH1, CH2, EXT, mains		CH1 ... CH4, mains		CH1, CH2, mains	
Type	Edge, Pulse Width or Delay (40 ns-10.5 s), counting (2 - 16,384 events), TV (525 = NTSC, 625 = PAL/SECAM), Adjustable pretriggering from 0 to 100 %, Hold-off (40 ns-10.5 s)				Rising or falling edge, adjustable pretriggering from 0 to 100 %	
Digital memory						
Maximum sampling rate	Repetitive = 100 GS/s One-shot = 200 MS/s per channel	Repetitive = 100 GS/s One-shot = 100 MS/s per channel	Repetitive = 100 GS/s One-shot = 200 MS/s per channel	Repetitive = 100 GS/s One-shot = 100 MS/s per channel	Repetitive = 20 GS/s One-shot = 50 MS/s per channel	
Vertical resolution	10 bits (9 bits used)				8 bits	
Memory capacity	Depth = 50,000 points – storage capacity depends on PC configuration					
SPO (Smart Persistence Oscilloscope)						
Persistence duration	100 ms, 200 ms, 500 ms, 1 s, 2 s, 5 s, 10 s and infinite				Analogue remanent mode	
Performance	Acquisition rate: 50 kwaveforms/s/channel, No. of samples acquired: 19 MS/s/channel				-	
Measurement processing						
FFT analyser & MATH functions	FFT, +, -, x, / - "Made-to-measure" function editor				FFT, +, -, x, /	FFT, +, -, x, /, XY
Manual cursors	dv, dt, 1/dt, phase – cursors linked to trace or free					
Automatic measurements	2 or 19 measurements chosen among 19 + Automatic phase – On any type of curve - Markers and limits					
RECORDER MODE						
Duration / Sampling	Duration: 2 s to 31 days / Sampling interval: 40 μ s to 53.57 s				Dedicated ROLL mode from 2 s to 33 min	-
HARMONIC ANALYSER						
Analysis range	Fundamental from 40 Hz to 1 kHz + 31 orders on 1 to 4 channels				-	-
Processing	Total RMS value, THD and selected order (%F, phase, frequency, VRMS)				-	-
GENERAL SPECIFICATIONS						
Memory & printing	"Unlimited" but depending on PC configuration / Via "Windows" environment					
Communication	USB, local or remote 10 Mb Ethernet*, WiFi*					
Power supply	100 to 240 V _{AC} / 47-63 Hz – removable mains power cable					
Electrical safety	IEC 61010-1 / CAT II 300 V – EMC according to EN 61326-1					600 V CAT II
Casing / Environment	270 x 213 x 63 mm – 1.8 kg or 19"/3U / Storage -20 °C to +60 °C - operation 0°C to 40 °C					
Warranty / Origin	3 years / France					