MTX 1032-C
MTX 1032-B
MX 9030-Z

30 & 50 MHz differential probes for oscilloscopes





The ideal analogue and digital oscilloscope accessory for displaying signals not referenced to the earth

A family of 3 models for a wide range of applications
A choice of 1 or 2 input channels
Banana or coaxial/banana extra-long measurement leads
A coaxial input model specially for use with oscilloscope probes
Bandwidth 30 MHz or 50 MHz
Mains or battery power supply (depending on model)
2 presentation models: Laboratory case or hand-held wrist strap version
Range of differential input voltages from ± 0.1 to ± 600 V
Standards compliance up to 600 V-CAT IV (depending on model)
Can be used with all Class 1 type oscilloscopes
Mechanical compatibility with the complete MTX family of oscilloscopes
Compliance with LVD safety standards IEC 61010-1 (2001)
Compliance with EMC standards EN 61326-1 (07/97) + A1 (10/98) + A2 (2001)

TECHNICAL SPECIFICATIONS	MTX1032-C	MTX1032-B	MX9030-Z
PRESENTATION			
Model version	Laboratory case version for independent use or associated mechanically with MTX Oscilloscopes		Hand-held version with wrist strap for independent use
Front-panel controls	Voltage ratio selector switch Battery disconnect switch (MX9030-Z only)		
Display	Power ON - LED display		
INPUTS			
Number of channels	2 differential channels		1 differential channel
Input types	Coaxial connection leads		Banana sockets
Bandwidth	50 Mhz	30 Mhz	30 MHz
Rising time	7 ns	11.7 ns	11.7 ns
Input impedance	1 MΩ // 13pF	1 MΩ // 6pF	2 MΩ // 6 pF
Maximum input volatge	600 V / CAT II	600 V / CAT III	600 V / CAT IV
Voltage ratios	1/10 & 1/100		1/20 & 1/200
Differential voltage ranges	1/10 = ± 0.1V to ± 40 V 1/100 = ± 1V to ± 400 V		1/20 = ± 0.1 V to ± 60 V 1/200 = ± 1 V to ± 600 V
Accuracy of attenuations (1kHz)	± 3 %		
Maximum voltage in common mode	1/10 = ± 50 V 1/100 = ± 600 V		1/20 = ± 100 V 1/200 = ± 600 V
Common mode rejection	80 dB at 50 Hz, 50 dB at 1 MHz		
Measurement leads	2 x removable screened BNC/Banana leads 2.00 m (approx.)		Set(s) of removable banana leads 1.10 m (approx.)
COAXIAL OUTPUTS			
Maximum level	± 4 V with 1 MΩ load		± 3 V with 1 MΩ load
Output impedance	50 Ω		
Noise level	10 mVdc		
Residual offset voltage	< 10 mV		
Coaxial output cables	Removable cables (short) 20 cm approx.		Fixed cables (long) 1.10m approx.
OPERATING MODES			
Oscilloscope type	Class 1 oscilloscope only, with safety earth connection		
For use with coaxial/banana cables	YES	NO	NO
For use with set of banana cables	NO	YES	YES clipped to rear of casing
For use with Oscilloscope Probes	YES	NO	NO
GENERAL SPECIFICATIONS			
Mains power supply	230 VAC ± 10 % 50/60 Hz 300 V - CAT II		N/A
Battery power supply	N/A		1 9 V battery (6LF22, 6LR61)
Consumption / Autonomy	Consumption < 5 W		Autonomy 18 H approx.
Operating temperature	from 0 to 50 °C		
Relative humidity	< 80 % up to 31 °C		
Protection rating	IP 40		
LVD Safety	IEC 61010-1 (2001), Environment: altitude < 2000 m - pollution level 2, for interior use		
EMC	NF EN 61326-1 (07/97) + A1 (10/98) + A2 (2001)		
Dimensions	270 x 250 x 63 mm		163 x 62 x 40 mm
Weight	1,2 kg		195 g (including battery)
Warranty	2 years		

Standard accessoiries:

MX9030-Z = 1 Single-channel probe with BNC output socket, including 1 standard 9 V battery, 1 set of PVC Banana leads 1.10m (P01.2952.37-Z), 1 set of industrial standard crocodile clamps (P01101848), 1 Fitting Accessories Kit for fitting to MTX Oscilloscope (interior of Probe case), 1 user manual.

MTX1032-C = 1 x 2-channel probe in MTX Pack, 2 short BNC leads 20 cm, 1 set of 2 shielded BNC-banana leads 2 m (AG0484), 2 crocodile clamps for Probe (HX0008), 1 European standard mains lead,), 1 fitting accessories kit for fitting to MTX oscilloscope (interior of probe case), 1 user manual.

MTX1032-B = 1 x 2-channel probe in MTX Pack, 2 short BNC leads 20cm, 2 sets of PVC banana leads 1.10 m (P01.2952.37-Z), 1 European standard mains lead, 1 user manual.

Optional accessories (for MTX1032-C):

HX0004 = Safety voltage probe, ratio 1/10, 250 MHz, 1000 V-CAT II / 600 V-CAT III
HX0007 = Hooked wire-grip for probe HX0003 or HX0004
P01.1018.48 = Set of 2 industrial standard crocodile clips for BNC/banana lead connections

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