

duty electrical testing

Selection Guide

FEATURES	Description	MD 9070	MD 9060	MD 9050	MD 9040	MD 9030	MD 9020	MD 9016	MD 9010
									
MEASURING METHOD	True RMS	•	•	•	•	•	•	•	•
AC - MEASUREMENTS	Current	0.1 uA ... 0.6 A	0.1 uA ... 10 A	0.1 uA ... 10 A	0.1 uA ... 10 A	0.1 uA ... 10 A	0.1 uA ... 10 A	0.1 uA ... 10 A	0.1 uA ... 2 mA
	Voltage	1 mV ... 1000 V	0.01 mV ... 999.9 V	0.01 mV ... 999.9 V	0.01 mV ... 999.9 V	0.01 mV ... 999.9 V	0.01 mV ... 999.9 V	0.01 mV ... 999.9 V	1 mV ... 600 V
	Frequency	•	•	•	•	•	•	•	•
	Frequency of digital signals		•	•	•				
	100 kHz Voltage bandwidth		•						
	Duty cycle (%)		•						
DC - MEASUREMENTS	Current	0.1 uA ... 0.6 A	0.1 uA ... 10 A	0.1 uA ... 10 A	0.1 uA ... 10 A	0.1 uA ... 10 A	0.1 uA ... 10 A	0.1 uA ... 10 A	0.1 uA ... 2 mA
	Voltage	1 mV ... 1000 V	0.1 mV ... 999.9 V	0.01 mV ... 999.9 V	0.01 mV ... 999.9 V	0.01 mV ... 999.9 V	0.01 mV ... 999.9 V	0.01 mV ... 999.9 V	1 mV ... 600 V
OTHER MEASUREMENTS	Resistance	•	•	•	•	•	•	•	•
	Acoustic continuity	•	•	•	•	•	•	•	•
	Capacitance		•	•	•	•	•	•	•
	Diode	•	•	•	•	•	•	•	•
	Temperature T1 / T1 & T2		• / •	• / •		• / -	• / -	• / -	
	Earth continuity test	•							
	Insulation resistance	•							
	Insulation resistance compare	•							
	PI / DAR	•							
	EF (Electric field detection)			•				•	•
	Conductance		•	•					
	VFD (Variable frequency drive)	•	•						
OTHER FUNCTIONS	Autocheck (VAC-DC; Ω) / (VAC-DC; AAC)			•					
	Data hold	•	•	•	•	•	•	•	
	MAX hold		•	•			•		
	MAX/MIN/AVG (recording)	•	•	•					
	Auto ranging	•	•	•	•	•	•	•	•
	Relative zero mode		•	•	•	•	•	•	
	Analogue bargraph	•	•	•	•			•	
	Lead alert		•	•	•	•	•		
	Count	6000	50.000 / 500.000	6000 / 9999	6000 / 9999	4000	4000	6000	6000
TECHNICAL DATA	Backlight	•	•	•		•			
	IP protection	40	54	54	54	40	40	40	40
COMMUNICATION OVERVOLTAGE CATEGORY	PC Link		•	•	•			•	
	CAT IV / 1000 V		•	•	•				
	CAT IV / 600 V	•							
	CAT IV / 300 V		•	•	•	•	•	•	
	CAT III / 1000 V	•							
	CAT III / 600 V		•	•	•	•	•	•	
	CAT III / 300 V		•	•	•	•	•	•	•
	CAT II / 600 V		•	•	•	•	•	•	•
	CAT II / 1000 V		•	•	•	•	•	•	