

TECHNICAL SPECIFICATIONS		MX 5060 *			MX 5006		
<b>DC, AC and AC+DC voltages</b>							
Range	60 mV*	600 mV	6 V	60 V	600 V	1000 V	
Resolution*	0.001 mV	0.01 mV	0.0001 V	0.001 V	0.01 V	0.1 V	
DC accuracy		0.05%			0.09%		
AC and AC+DC bandwidth	100 kHz						
AC and AC+DC basic accuracy	0.5%				0.8%		
V <sub>LowZ</sub> AC basic accuracy (520 kΩ)	0.5%				1.2%		
<b>DC, AC and AC+DC current</b>							
Range	6000 μA	60 mA	600 mA	6 A	10 A / 20 A (30 s max)		
Resolution*	0.1 μA	0.001 mA	0.01 mA	0.0001 A	0.001 A		
DC accuracy	0.8%						
AC and AC+DC bandwidth	20 kHz			10 kHz			
AC and AC+DC accuracy	1%						
<b>Frequency</b>							
Frequency range	60 Hz	600 Hz	6 kHz	60 kHz			
Resolution*	0.01 Hz	0.1 Hz	1 Hz	10 Hz			
<b>Resistance and continuity</b>							
Range	600 Ω	6 kΩ	60 kΩ	600 kΩ	6 MΩ	60 MΩ	
Resolution*	0.01 Ω	0.1 kΩ	0.001 kΩ	0.01 kΩ	0.0001 MΩ	0.001 MΩ	
Basic accuracy	0.2%				0.4%		
Protection	1,000 V electronic protection						
Audible continuity detection	600 Ω SIGNAL <30 Ω +/-5 Ω < 5V						
<b>Diode test</b>							
Voltage measurement	3 V, resolution 1 mV + Buzzer <40 mV ±10 mV						
<b>Capacitances</b>							
Range	6 nF	60 nF	600 nF	6 μF	60 μF	600 μF	6 mF 60 mF
Resolution	0.001 nF	0.01 nF	0.1 nF	0.001 μF	0.01 μF	0.1 μF	1 μF 10 μF
<b>K thermocouple temperature</b>							
Operating range	-200 °C to +1,200 °C						
Accuracy / Resolution	0.5% R / 0.1 °C						
<b>Other functions</b>							
Min/Max/Peak ±	On all positions measured						
ΔREL	MEM relative value on secondary display subtracted from the measured value on the main display						
PWM filter	4th-order 300 Hz low-pass filter for measurements on variable speed drives of asynchronous motors						
Central Zero	VDC and IDC with central zero						
USB communication	With SX-DMM2 software – SCPI commands						
Measurement rate and bargraph	5 measurements per second and 61-segment bargraph for analogue function						
<b>General specifications</b>							
Display type	Transflective LCD with backlighting, broadened viewing angle and 16 mm digits 60,000-count* or 6,000-count double display						
PC interfaces	USB type B connector – SX-DMM2 software						
Mains power supply	Universal 230 V / 47-63 Hz / removable mains lead and 110V** version < 2 VA						
Safety / EMC	Safety as per IEC61010-1 (2001) 1000V-CATIII – EMC as per EN61326-1						
Environment	Storage: -20 °C to +70 °C – Operation: 0 °C to +40 °C						
Mechanical specifications	Dimensions (L x D x H): 295 x 295 x 95 mm – Weight: 1.85 kg						
Warranty	3 years						

\*60,000 counts