

PROCESS CALIBRATORS

MS7220/MS7221

PROCESS CALIBRATOR

MS7220



Specifications	MS7220 Thermocouple Calibrator	
Technical Specifications	Thermocouple Measurement	Thermocouple Simulation
Temperature Range	-200°C~1800°C -328°F~3272°F -10mV~75mV	-200°C~1800°C -328°F~3272°F -10mV~75mV
Resolution	0.1°C/0.1°F/0.01mV	0.1°C/0.1°F/0.01mV
Accuracy	°C: ±(0.3°C+10uV) °F: ±(0.6°F+10uV) mV: ±(0.02%+2)	°C: ±(0.3°C+10uV) °F: ±(0.6°F+10uV) mV: ±(0.02%+2)
Special Functions	Description	Accuracy / Standard
CJC	Cold Junction Compensation	±0.2°C
TC Type Selection	Types: J, K, T, E, R, S, B, N	NIST175/ITS-90
°C/°F Selection	Optional Temperature Unit Selection	
General		
Power Supply	9VDC,006P or 1604	
Product Size	190mm×89mm×42mm/7.5"×3.5"×1.7"	
Product Weight	350g/0.8lb	
Category	CE	

MS7221



Specifications	MS7221 Voltage/mA Calibrator	
DC Voltage	Input (Measurement)	Source output
Range	0~100mV, 0~10V	0~100mV, 0~10V
Resolution	0.01mV, 0.001V	0.01mV, 0.001V
Accuracy	±(0.02%+2)	±(0.02%+2)
DC Current (mA)	Input (Measurement)	Source output
Range	0~24mA	0~24mA
Resolution	0.001mA	0.001mA
Accuracy	±(0.015%+4)	±(0.015%+4)
General		
Power Supply	9VDC,006P or 1604	
Product Size	190mm×89mm×42mm/7.5"×3.5"×1.7"	
Product Weight	350g/0.8lb	
Category	CE	

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RTD CALIBRATOR (RESISTANCE TEMPERATURE DETECTOR)

MS7222



(RTD or Ohm) Measurement / Simulation	Range	Resolution	Accuracy
Pt10/Pt50/Pt100/Pt200/Pt500 Pt1000(385)/Pt100(JIS)	0Ω to 3200Ω	0.1Ω	0.1Ω to 1Ω
Special Functions			
°C/°F Selection			
RTD Type Selection			
General			
Power Supply	9VDC,006P or 1604		
Product Size	190mm×89mm×42mm/7.5"×3.5"×1.7"		
Product Weight	350g/0.8lb		
Certificate	CE		

