

BK Precision Digital Multimeter

Part No. 01DM391[Back to Multimeter Main Page](#)

Specifications	model 391A
Volts	True RMS reading
DC Ranges	200 mV, 2V, 20V, 200V, 1000V
AC Ranges	200 mV, 2V, 20V, 200V, 750V
Resolution	10uV, 100mV, 1mV 10 mV, 100 mV
DC Accuracy	+-(0.05% + 3 dgt)
AC Accuracy	+-(1%+10 dgt.) 50 Hz - 500 Hz
	+-(2% + 10 dgt.) 500 Hz - 2 kHz
	500 Hz on 750V range
Overload Protection	1200VDC or AC rms
	500VDC/AC rms 15 sec
	on 200mV range
Input Impedance	10 M Ω
Current	True RMS reading
Ranges	200 uA, 2 mA, 20 mA, 200 mA, 20A*
Resolution	10nA, 100 nA, 1 uA, 10 uA, 1 mA
DC Accuracy	200 uA to 200 mA: +-(0.5% rdg + 5 dgt.) 20 A: +-(2% rdg + 10 dgt.)
AC Accuracy	200 uA to 200 mA: +-(1.2% rdg + 10 dgt.) 20A: +-(2.5% rdg + 20 dgt.)
Input Protection	uA/mA Input: 0.5A/500V fast blow ceramic fuse 20A input: 20A/600A fast blow ceramic fuse
Max. Burden Voltage	600mV (900 mV on 20A range)
Resistance	
Ranges	200 Ω , 2kOhm, 20 kOhm, 200 kOhm, 2 MOhm, 20 MOhm
Resolution	10 m Ω , 100 mOhm, 1 Ohm, 10 Ohm, 100 Ohm, 1 kOhm
Accuracy	200 Ω , 2 MOhm: +-(0.25% rdg + 10 dgt.) 2 k Ω to 200 kOhm: +-(0.15% rdg + 3 dgt.) 20 M Ω : +-(1.0% + 10 dgt.)
Open Circuit Voltage	3.2 VDC typ.
Overload Protection	500 VDC or AC rms
Diode Test	Tested at 1 mA, 3.2 VDC max. typ. +-(1% rdg + 10 dgt.) accuracy
Transistor Test (hFE)	Does not apply
Capacitance	

Continued on pg. 2

Ranges	Does not apply
Resolution	
Accuracy	
Test Voltage	
Overload Protection	
Frequency	
Ranges	2 kHz, 20 kHz, 200 kHz
Resolution	0.1 Hz, 1 Hz, 10 Hz
Accuracy	+-(0.1% rdg + 3 dgt.)
Sensitivity	50 mV rms min. (@>30 & <70% duty cycle: 400 mV rms min.)
Minimum Pulse Width	> 25 ns
Duty Cycle Limits	> 30% & <70%
Minimum Input Range	2 kHz: 10Hz: 20 kHz: > 60 dgt; 200 kHz > 60 dgt
Overload Protection	500 VDC or AC rms
Logic Test	
Logic Threshold	Hi=2.8+-0.8V, 0=0.8 +-0.5V
Frequency Response	20 MHz
Pulse Width	25 ns
Pulse Limits	> 20% and < 80%
Indication	40m sec beep at logic 1 (Hi)
Overload Protection	500 V DC or AC rms
Temperature	
Range, Resolution	Does not apply
Accuracy	
Duty Cycle	
Range, Resolution	0 to 90%, 0/1%
Accuracy (5V logic)	+-(2.0% + 10 dgt.)
Minimum Pulse Width	10 us
Frequency Range	40 Hz to 20 kHz
Overload Protection	500 VDC or AC rms
General	
Display	20000 count, 4 1/2 digit LCD
Polarity	Automatic, positive implied, negative polarity indication
Operating Temperature	32 ° to 122 ° (0 ° to 50 ° C), 0 to 70% R.H.
Dimensions (HxWxD)	7.8x3.5x1.57" (198x90x40 mm)
Weight	11.3 oz. (320g)
Three Year Warranty	
Accessories	
SUPPLIED: 9V Battery, Test Leads, Instruction Manual, Thermocouple Probe (Model 390) OPTIONAL: TL-2A Deluxe Test Leads, TL-3 Accessory Tip Kit (for TL-2A), PR-28A High Voltage Probe (40kVDC), TL-130A General Purpose DMM Kit Carrying Case (not included): LC-29B	
*10 A continuous, 20A for 30 seconds max.	