

BK Precision Digital Multimeter

*Part No. 01DM390*Back to [Multimeter](#) Main Page

Specifications	model 390A
Volts	
DC Ranges	400 mV, 4V, 40V, 400V, 1000V
AC Ranges	400 mV, 4V, 40V, 400V, 750V
Resolution	100uV, 1 mV, 10 mV, 100 mV, 1 V
DC Accuracy	+-(0.1% rdg + 2 dgt)
AC Accuracy	400 mV: +-(1.2% rdg + 5 dgt)
	50 Hz - 100 Hz
	+-(1.0% rdg + 3 dgt) 50 Hz - 500 Hz
Overload Protection	1100 VDC or AC rms
Input Impedance	400mV: > 100MΩ, 4V: 10 MOhm
Current	
Ranges	400 uA, 4 mA, 40 mA, 400 mA, 20A*
Resolution	0.1 uA, 1 uA, 10 uA, 100 uA, 10 uA
DC Accuracy	400 uA - 400 mA: +-(1% rdg + 5 dgt) 20 A: +-(2% rdg + 3 dgt)
AC Accuracy	400 uA to 400 mA: +-(1.5% rdg + 4 dgt) 20A: +-(2.5% rdg + 4 dgt.)
Input Protection	uA/mA Input: 0.5A/500V fast blow ceramic fuse 20A input: 20A/600A fast blow ceramic fuse
Max. Burden Voltage	500mV (2V on 4mA, 400mA ranges)
Resistance	
Ranges	400 Ω 4 kOhm, 40 kOhm, 400 kOhm, 4 MOhm, 40 MOhm
Resolution	100 mΩ, 1 Ohm, 10 Ohm, 100 Ohm, 1 kOhm, 10 kOhm
Accuracy	400 Ω to 400 kOhm: +-(0.5% rdg + 4 dgt.) 4 MΩ: +-(1% rdg + 5 dgt.) 40 MΩ: +-(2% rdg + 5 dgt.)
Open Circuit Voltage	-0.45 VDC typ. (-1.2 VDC on 400 range)
Overload Protection	500 VDC or AC rms
Diode Test	Tested at 1.2 mA, 3.0 VDC max. typ. +-(1.5% rdg + 3 dgt.) accuracy
Transistor Test (hFE)	Does not apply
Capacitance	
Ranges	4 nF, 40 nF, 400 nF, 4 uF, 40 uF, 400 uF, 4 mF, 40 mF
Resolution	1 pF, 10 pF, 100 pF, 1 nF, 10 nF, 100 nF, 1 uF, 10 uF

Accuracy	4 nF: $\pm(3\% \text{ rdg} + 20 \text{ dgt.})$ 4 nF to 40 uF: $\pm(3\% \text{ rdg} + 5 \text{ dgt.})$ 400uF to 40 mF: $\pm(5\% \text{ rdg} + 10 \text{ dgt.})$
Test Voltage	< 1V
Overload Protection	500 VDC or AC rms
Frequency	
Ranges	4 kHz, 40 kHz, 400 kHz, 4 MHz, 40 MHz
Resolution	1 Hz, 10 Hz, 100 Hz, 10 kHz, 100 kHz
Accuracy	$\pm(0.1\% \text{ rdg} + 3 \text{ dgt.})$
Sensitivity	1 Hz - 4 MHz: 1V rms 4 MHz-40MHz: > 2V rms, <5V rms
Minimum Pulse Width	> 25 ns
Duty Cycle Limits	> 30% & <70%
Minimum Input Range	
Overload Protection	500 VDC or AC rms
Logic Test	
Logic Threshold	Does not apply
Frequency Response	
Pulse Width	
Pulse Limits	
Indication	
Overload Protection	
Temperature	
Range, Resolution	-58 ^o to +2372 ^o F, 1 ^o F (-50 ^o to +1300 ^o C)
Accuracy	$\pm(0.8\% \text{ rdg} + 2o \text{ C})$ -50 ^o - 400 ^o C $\pm(1\% \text{ rdg} + 2o \text{ C})$ 400 ^o - 1300 ^o C
Duty Cycle	
Range, Resolution	Does not apply
Accuracy (5V logic)	
Minimum Pulse Width	
Frequency Range	
Overload Protection	
General	
Display	4000 count, 3 3/4 digit LCD with 41 segment analog bar graph
Polarity	Automatic, positive implied, negative polarity indication
Operating Temperature	32 ^o to 122 ^o (0 ^o to 50 ^o 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.	