

BK Precision DMM High Performance

Model 389A (Part No. 01BK389A)

Back to [DMM Main Page](#)

Specifications	Model 389B
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	+-(0.25% rdg + 2 dgt)
AC Accuracy	400 mV: +/- (1.2% rdg + 5 dgt)
	50 Hz - 100 Hz
	>10% of range at 200mV range
Overload Protection	1100 VDC or AC rms
Input Impedance	40V - 1000V: 9.1M Ω
Current	
Ranges	400 mA, 4 mA, 40 mA, 400 mA, 2A, 20A*
Resolution	100 nA, 1 uA, 10 uA, 100 uA, 1 mA, 10 mA
DC Accuracy	400 uA - 400 mA: +/- (1% rdg + 1 dgt) 2A: +/- (1.5% rdg + 1 dgt) 20A: +/- (3% rdg + 3 dgt)
AC Accuracy	400 uA - 400 mA: +/- (1.5% rdg + 1 dgt) 2A: +/- (2% rdg + 4 dgt) 20A: +/- (3.5% rdg + 4 dgt)
Input Protection	uA/mA input: 2A/600V fastblow ceramic fuse 20A input: 20A/600V fastblow ceramic fuse
Max. Burden Voltage	600mV (900 mV on 2A, 20A ranges)
Resistance	
Ranges	400 Ω , 4 kOhm, 40 kOhm, 400 kOhm, 4 MOhm, 40 MOhm
Resolution	100 m Ω , 1 Ohm, 10 Ohm, 100 Ohm, 1 kOhm, 10 kOhm

Accuracy	400 Ω : \pm -(1% rdg + 4 dgt.) 4 k Ω to 4 MOhm: \pm -(0.8% rdg + 4 dgt.) 40 M Ω : \pm -(2% rdg + 5 dgt.)
Open Circuit Voltage	0.6 VDC typ. (3.2 VDC on 400 Ω range)
Overload Protection	
Diode Test	Tested at 1 mA, 3.2 VDC max. typ. \pm -(1.5% rdg + 3 dgt.) accuracy
Transistor Test (hFE)	hFE range: 0 - 1000 hFE base current: 10 μ A DC
Capacitance	
Ranges	4 nF, 40 nF, 400 nF, 4 μ F, 40 μ F
Resolution	0.1 pF, 1 pF, 10 pF, 100 pF, 1 nF
Accuracy	\pm -(3% rdg + 4 dgt.)
Test Voltage	< 3.5V
Overload Protection	500 VDC or AC rms
Frequency	
Ranges	4 kHz, 40 kHz, 400 kHz, 4 MHz
Resolution	1 Hz, 10 Hz, 100 Hz, 10 kHz
Accuracy	\pm -(0.1% rdg + 2 dgt.)
Sensitivity	250 V rms min. on 10 Hz to 1 MHz 500 mV rms min. on 1 MHz to 4 MHz
Minimum Pulse Width	> 2 μ s
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	Does not apply
Accuracy	
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
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	
<p>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</p>	
*10 A continuous, 20A for 30 seconds max.	