

BK Precision True RMS Bench DMM

Part No. 01BK5492

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Specifications assumptions:

- One-year calibration cycle.
- Operating temperature at 18°C to 28°C (64.4°F to 82.4°F).
- Accuracy is expressed as: \pm % of reading + digits) after 30 minutes warm-up.
- Temperature coefficient: Add \pm [0.15 x (the applicable accuracy)]/°C for 0°C to 18°C and 28°C to 50°C.
- Relative Humidity (RH) up to 80% for 0°C to 28°C (75% RH for 12M Ohm and above ranges of resistance measurement); up to 70% for 28°C to 35°C; up to 50% for 35°C to 50°C
- All specifications are specified under single display mode in operation only.

Display Counts and Reading Rates

Full Scale Display Counts

Slow	Medium	Fast
119,999	39,999	3,999

Reading Rates on Single Display (Readings/Sec)

Measurement Functions	Slow	Medium	Fast
DCV	2	5	20
DCA	2	5	20
Diode	2	5	20
ACV	2	4.2	20
ACA	2	4.2	20
2-wires Ohm	2	4	17
4-wires Ohm 4M Ohm/1.2M Ohm range and below	0.6	0.8	0.9
4-wires Ohm 12M Ohm range and above	1.4	1.7	1.9
Frequency	1.2	1.7	2.4
ACV+DCV	0.4	0.5	0.7
ACA+DCA	0.4	0.5	0.7

Reading Rates on Dual Display (Readings/Sec)

Measurement Functions	Slow	Medium	Fast
DCV / ACV	0.7	1.0	1.9
DCA / ACA	0.7	1.0	1.9
DCV / DCA	0.7	1.0	1.9
DCV / ACA	0.2	0.2	0.5
ACV / ACA	0.2	0.2	0.5
ACV / DCA	0.7	1.0	1.9
ACV / Frequency	0.5	0.7	1.1
ACA / Frequency	0.6	0.8	1.3
ACV+DCV / DCV	0.5	0.6	0.9

ACA+DCA / DCV	0.1	0.2	0.4
ACA+DCA / ACV	0.1	0.2	0.4
ACA+DCA / DCA	0.5	0.6	0.9
dBm(ACV) / Reference Ohm	2.1	4.2	11.9
dBm(ACV) / ACV	0.7	1.0	1.7
dBm(ACV) / DCV	0.6	1.0	1.7
dBm(ACV) / Frequency	0.7	1.0	1.7

Note 1: Above table shows some common combinations and applications of using dual display.

Note 2: Using RS-232 or GPIB remote interface, the reading rate approximates to normal mode.

DC Voltage

Resolution, Full Scale Reading and Accuracy

Rate ⁽¹⁾	Range	Resolution	Full Scale Reading	Accuracy (1 year)	Typical Input Impedance ⁽⁴⁾
S	120mV	1uV	119.999	0.012% + 2	10.0M Ohm
	1.2V	10uV	1.19999	0.012% + 2	10.0M Ohm
	12V	100uV	11.9999	0.012% + 2	11.1M Ohm
	120V	1mV	119.999	0.012% + 2	10.1M Ohm
	1000V	10mV	1000.00 ⁽³⁾	0.012% + 2	10.0M Ohm
M	400mV	10uV	399.99	0.012% + 5	10.0M Ohm
	4V	100uV	3.9999	0.012% + 5	11.1M Ohm
	40V	1mV	39.999	0.012% + 5	10.1M Ohm
	400V	10mV	399.99	0.012% + 5	10.0M Ohm
	1000V	100mV	1000.0 ⁽³⁾	0.012% + 5	10.0M Ohm
F	400mV	100uV	399.9	0.012% + 8 ⁽²⁾	10.0M Ohm
	4V	1mV	3.999	0.012% + 5	11.1M Ohm
	40V	10mV	39.99	0.012% + 5	10.1M Ohm
	400V	100mV	399.9	0.012% + 5	10.0M Ohm
	1000V	1V	1000 ⁽³⁾	0.012% + 5	10.0M Ohm

⁽¹⁾ Rate: S (Slow), M (Medium), and F (Fast).

⁽²⁾ Use relative (REL) modifier.

⁽³⁾ In Vdc 1000V range, 5% over-range (1050Vdc) is readable.

⁽⁴⁾ Input Impedance is in paralleled with capacitance <120pF.

- **Maximum input voltage: 1000Vdc or peak ac on any range**
- **Response Time: Approximately 1.0 second when the displayed reading reaches 99.9% dc value of the tested input signal at the same range.**

Note: When voltage (ac+dc) measurement function is selected, the Vdc input impedance is paralleled with an ac-coupled 1.1M Ohm ac divider.

Noise Rejection Ratio

Rate	CMRR ⁽¹⁾	NMRR ⁽²⁾
S / M / F	>90dB at dc, 50/60Hz ± 0.1% (1k OhmUnbalanced)	>50dB at 50/60Hz ± 0.1%

⁽¹⁾ CMRR is the Common Mode Reject Ratio
⁽²⁾ NMRR is the Normal Mode Rejection Ratio

AC Voltage (True RMS, AC Coupling Mode)

Resolution and Full Scale Reading

Range		Resolution			Full Scale Reading		
S	M & F	S	M	F	S	M	F

120mV	400mV	1uV	10uV	100uV	119.999	399.99	399.9
1.2V	4V	10uV	100uV	1mV	1.19999	3.9999	3.999
12V	40V	100uV	1mV	10mV	11.9999	39.999	39.99
120V	400V	1mV	10mV	100mV	119.999	399.99	399.9
750V	750V	10mV	100mV	1V	750.00 ⁽¹⁾	750.0 ⁽¹⁾	750 ⁽¹⁾

⁽¹⁾ In Vac 750V range, 5% over-range (787.5V rms) is readable

Accuracy

Rate	Range	Accuracy (1 year) ⁽¹⁾				
		20 to 45 Hz	45 to 10k Hz		10 to 30 kHz	30 to 100 kHz
S	120.000mV	1% + 5	0.2% + 5		1.5% + 10	5% + 15
	1.20000V	1% + 5	0.2% + 5		1% + 5	3% + 10
	12.0000V	1% + 5	0.2% + 5		1% + 5	3% + 10
	120.000V	1% + 5 ⁽²⁾	0.2% + 5		1% + 5	3% + 10
	750.00V	1% + 5 ⁽²⁾	0.2% + 5		1% + 5	3% + 10 ⁽³⁾
M	400.00mV	1% + 40	0.2% + 40		1.5% + 80	5% + 120
	4.0000V	1% + 40	0.2% + 40		1% + 40	3% + 80
	40.000V	1% + 40	0.2% + 40		1% + 40	3% + 80
	400.00V	1% + 40 ⁽²⁾	0.2% + 40		1% + 40	3% + 80
	750.0V	1% + 40 ⁽²⁾	0.2% + 40		1% + 40	3% + 80 ⁽³⁾
F	400.0mV	1% + 100	0.2% + 100		1.5% + 300	5% + 300
	4.000V	1% + 100	0.2% + 100		1% + 100	3% + 200
	40.00V	1% + 100	0.2% + 100		1% + 100	3% + 200
	400.0V	1% + 100	0.2% + 100		1% + 100	3% + 200
	750V	1% + 100 ⁽²⁾	0.2% + 100		1% + 100	3% + 200 ⁽³⁾

⁽¹⁾ Specified accuracy at input >5% of full scale

⁽²⁾ For input <200V rms

⁽³⁾ For input <500V rms

- **Measurement method: True RMS**
- **Maximum Crest Factor: 3.0 at full scale**
- **Maximum input voltage: 750V rms, 1100V peak ac**
2x10⁷ V-Hz product on any range, normal mode input
1x10⁶ V-Hz product on any range, common mode input
- **Input Impedance: 1M Ohm in parallel with capacitance <120pF**
- **Response Time: Approximately 1.5 seconds when the displayed reading reaches 99.9% ac rms value of the tested input signal at the same range.**

AC Voltage (True RMS, AC+DC Coupling Mode)

Resolution and Full Scale Reading

Range ⁽¹⁾		Resolution			Full Scale Reading		
S	M & F	S	M	F	S	M	F

120mV	400mV	1uV	10uV	100uV	119.999	399.99	399.9
1.2V	4V	10uV	100uV	1mV	1.19999	3.9999	3.999
12V	40V	100uV	1mV	10mV	11.9999	39.999	39.99
120V	400V	1mV	10mV	100mV	119.999	399.99	399.9
750V	750V	10mV	100mV	1V	750.00 ⁽²⁾	750.0 ⁽²⁾	750 ⁽²⁾

⁽¹⁾ Vdc and Vac are automatically set at the same range

⁽²⁾ In Vac 750V range, 5% over-range (787.5V rms) is readable

Accuracy

Rate	Range	Accuracy (1 year) ⁽¹⁾		
		45 to 10k Hz	10 to 30 kHz	30 to 100 kHz
S	120.000mV	0.2% + 7	1.5% + 12	5% + 18
	1.20000V	0.2% + 7	1% + 7	3% + 12
	12.0000V	0.2% + 7	1% + 7	3% + 12
	120.000V	0.2% + 7	1% + 7	3% + 12
	750.00V	0.2% + 7	1% + 7	3% + 12 ⁽²⁾
M	400.00mV	0.2% + 45	1.5% + 83	5% + 125
	4.0000V	0.2% + 43	1% + 43	3% + 83
	40.000V	0.2% + 43	1% + 43	3% + 83
	400.00V	0.2% + 43	1% + 43	3% + 83
	750.0V	0.2% + 43	1% + 43	3% + 83 ⁽²⁾
F	400.0mV	0.2% + 100	1.5% + 300	5% + 300
	4.000V	0.2% + 100	1% + 100	3% + 200
	40.00V	0.2% + 100	1% + 100	3% + 200
	400.0V	0.2% + 100	1% + 100	3% + 200
	750V	0.2% + 100	1% + 100	3% + 200 ⁽²⁾

⁽¹⁾ Specified accuracy at input >5% of full scale

⁽²⁾ For input <500V rms

- **Measurement method: True RMS AC+DC**
- **Maximum Crest Factor: 3.0 at full scale**
- **Maximum input voltage: 750V rms, 1100V peak ac**
2x10⁷ V-Hz product on any range, normal mode input
1x10⁶ V-Hz product on any range, common mode input
- **Input Impedance: 1M Ohm in parallel with capacitance <120pF**
- **Response Time: Approximately 2.5 seconds when the displayed reading reaches 99.9% (ac+dc) rms value of the tested input signal at the same range.**

DC Current

Rate	Range	Resolution	Full Scale Reading	Accuracy (1 year)	Burden Voltage ⁽¹⁾ & Shunt Resistor
S	12mA	0.1uA	11.9999	0.1% + 2	<0.15V / 10 Ohm
	120mA	1mA	119.999	0.1% + 2	<1.5V / 10 Ohm
	1200mA	10mA	1199.99	0.15% + 2	<0.3V / 0.1 Ohm
	12A	100mA	11.9999	0.2% + 2	<0.6V / 0.01 Ohm
M	40mA	1uA	39.999	0.1% + 6	<0.5V / 10 Ohm
	120mA	10uA	119.99	0.1% + 3	<1.5V / 10 Ohm
	1200mA	100uA	1199.9	0.15% + 3	<0.3V / 0.1 Ohm
	12A	1mA	11.999	0.2% + 3	<0.6V / 0.01 Ohm
F	40mA	10uA	39.99	0.05% + 15 ⁽²⁾	<0.5V / 10 Ohm
	120mA	100uA	119.9	0.05% + 5	<1.5V / 10 Ohm
	1200mA	1mA	1199	0.15% + 5	<0.3V / 0.1 Ohm
	12A	10mA	11.99	0.2% + 5	<0.6V / 0.01 Ohm

⁽¹⁾ Typical at full scale reading and voltage across the input terminals

⁽²⁾ Use relative (REL) modifier

- **Maximum Input and Overload Current Protection (for dc and ac current):**
mA Input Terminal: 1200mA dc or ac rms and protected with 2A/250V, IEC-127 sheet 1 fast blow fuse;
12A input terminal: 10A dc or ac rms continuous, or 12A dc or ac rms for 30 seconds maximum and protected with 15A/500V, breaking capacity 10,000A fast blow fuse.
- **Response Time:** Approximately 1.0 second when the displayed reading reaches 99.9% dc value of the tested input signal at the same range.

AC Current (True RMS, AC Coupling Mode)

Resolution, Full Scale Reading and Burden Voltage

Rate	Range	Resolution	Full Scale Reading	Burden Voltage ⁽¹⁾ & Shunt Resistor
S	12mA	0.1uA	11.9999	<0.15V / 10 Ohm
	120mA	1uA	119.999	<1.5V / 10 Ohm
	1200mA	10uA	1199.99	<0.3V / 0.1 Ohm
	12A	100uA	11.9999	<0.6V / 0.01 Ohm
M	40mA	1uA	39.999	<0.5V / 10 Ohm
	120mA	10uA	119.99	<1.5V / 10 Ohm
	1200mA	100uA	1199.9	<0.3V / 0.1 Ohm
	12A	1mA	11.999	<0.6V / 0.01 Ohm
F	40mA	10uA	39.99	<0.5V / 10 Ohm
	120mA	100uA	119.9	<1.5V / 10 Ohm
	1200mA	1mA	1199	<0.3V / 0.1 Ohm
	12A	10mA	11.99	<0.6V / 0.01 Ohm

⁽¹⁾ Typical at full scale reading and rms voltage across the input terminals

Accuracy

Rate	Range	Accuracy (1 year) ⁽¹⁾		
		20 to 45 Hz	45 to 2k Hz	2 to 10 kHz
S	12mA	1.5% + 5	0.5% + 5	2% + 10
	120mA	1.5% + 2	0.5% + 2	2% + 5
	1200mA	1.5% + 2	0.5% + 2	2% + 5
	12A	2% + 2 (<1.2A)	1% + 2	-
M	40mA	1.5% + 40	0.5% + 40	2% + 80
	120mA	1.5% + 12	0.5% + 12	2% + 30
	1200mA	1.5% + 12	0.5% + 12	2% + 30
	12A	2% + 12 (<1.2A)	1% + 12	-
F	40mA	1.5% + 100	0.5% + 100	2% + 200
	120mA	1.5% + 100	0.5% + 100	2% + 200
	1200mA	1.5% + 100	0.5% + 100	2% + 200
	12A	2% + 100 (<1.2A)	1% + 100	-

⁽¹⁾ Specified accuracy at input >5% of full scale

- **Measurement method:** True RMS
- **Maximum Crest Factor:** 3.0 at full scale
- **Response Time:** Approximately 1.5 seconds when the displayed reading reaches 99.9% ac rms value of the tested input signal at the same range.

AC Current (True RMS, AC+DC Coupling Mode)

Resolution, Full Scale Reading and Burden Voltage

Rate	Range	Resolution	Full Scale Reading	Burden Voltage ⁽¹⁾ & Shunt Resistor
S	12mA	0.1uA	11.9999	<0.15V / 10 Ohm
	120mA	1uA	119.999	<1.5V / 10 Ohm
	1200mA	10uA	1199.99	<0.3V / 0.1 Ohm
	12A	100uA	11.9999	<0.6V / 0.01 Ohm

M	40mA	1uA	39.999	<0.5V / 10 Ohm
	120mA	10uA	119.99	<1.5V / 10 Ohm
	1200mA	100uA	1199.9	<0.3V / 0.1 Ohm
	12A	1mA	11.999	<0.6V / 0.01 Ohm
F	40mA	10uA	39.99	<0.5V / 10 Ohm
	120mA	100uA	119.9	<1.5V / 10 Ohm
	1200mA	1mA	1199	<0.3V / 0.1 Ohm
	12A	10mA	11.99	<0.6V / 0.01 Ohm

⁽¹⁾ Typical at full scale reading and rms voltage across the input terminals

Accuracy

Rate	Range	Accuracy (1 year) ⁽¹⁾	
		45 to 2k Hz	2 to 10 kHz
S	12mA	0.5% + 7	2% + 12
	120mA	0.5% + 4	2% + 7
	1200mA	0.5% + 4	2% + 7
	12A	1% + 4	-
M	40mA	0.5% + 42	2% + 80
	120mA	0.5% + 15	2% + 30
	1200mA	0.5% + 15	2% + 30
	12A	1% + 15	-
F	40mA	0.5% + 100	2% + 200
	120mA	0.5% + 100	2% + 200
	1200mA	0.5% + 100	2% + 200
	12A	1% + 100	-

⁽¹⁾ Specified accuracy at input >5% of full scale

- Measurement range: Vdc and Vac are automatically set at the same range
- Measurement method: True RMS AC+DC
- Maximum Crest Factor: 3.0 at full scale
- Response Time: Approximately 2.5 seconds when the displayed reading reaches 99.9% (ac+dc) rms value of the tested input signal at the same range.

Resistance (2-wire Ohm and 4-wire Ohm)

Rate	Range ⁽¹⁾	Resolution	Full Scale Reading	Test Current	Accuracy (1 year)	
					2-wire	4-wire
S	120 Ohm	1m Ohm	119.999	0.5mA	0.1% + 2 ⁽²⁾	0.05% + 2
	1.2k Ohm	10m Ohm	1.19999	0.5mA	0.08% + 2	0.05% + 2
	12k Ohm	100m Ohm	11.9999	100mA	0.06% + 2	0.05% + 2
	120k Ohm	1 Ohm	119.999	10mA	0.06% + 2	0.05% + 2
	1.2M Ohm	10 Ohm	1.19999	1mA	0.15% + 2	0.15% + 2
	12M Ohm	100 Ohm	11.9999	100nA	1.5% + 2	1.5% + 2
	120M Ohm	1k Ohm	119.999	10nA	5.0% + 2	5.0% + 2
	M	400 Ohm	10m Ohm	399.99	0.5mA	0.1% + 5 ⁽²⁾
4k Ohm		100m Ohm	3.9999	100mA	0.08% + 3 ⁽²⁾	0.05% + 3
40k Ohm		1 Ohm	39.999	50mA	0.06% + 3	0.05% + 3
400k Ohm		10 Ohm	399.99	5mA	0.06% + 3	0.05% + 3
4M Ohm		100 Ohm	3.9999	500nA	0.15% + 3	0.15% + 3
40M Ohm		1K Ohm	39.999	50nA	1.5% + 3	1.5% + 3
300M Ohm		10k Ohm	299.99	10nA	5.0% + 5	5.0% + 5

F	400 Ohm	100m Ohm	399.9	0.5mA	0.1% + 8 ⁽²⁾	0.05% + 8 ⁽²⁾
	4k Ohm	1 Ohm	3.999	100mA	0.08% + 5 ⁽²⁾	0.05% + 5 ⁽²⁾
	40k Ohm	10 Ohm	39.99	50mA	0.06% + 5 ⁽²⁾	0.05% + 5
	400k Ohm	100 Ohm	399.9	5mA	0.06% + 5	0.05% + 5
	4M Ohm	1k Ohm	3.999	500nA	0.06% + 5	0.05% + 5
	40M Ohm	10k Ohm	39.99	50nA	0.3% + 5	0.3% + 5
	300M Ohm	100k Ohm	299.9	10nA	3.0% + 8	3.0% + 8

⁽¹⁾ In order to eliminate the noise interference, which might be induced to the test leads, it is recommended to use a shielded test cable for measuring resistance above 120K Ohm.

⁽²⁾ Use relative (REL) modifier.

- Open Circuit Voltage: < +5.0V dc
- Zeroing error: 0.05 Ohm or less (excluding test lead resistances) in each range when REL modifier is used
- Response time: Approximately 1.5 seconds for 12M Ohm and ranges below 12M Ohm; approximately 5 seconds for 40M Ohm range; approximately 10 seconds for 120M Ohm ; approximately 25 seconds for 300M Ohm range.
- Maximum Input Protection: 500V dc or ac rms

Diode Test/Continuity

Rate	Maximum Reading	Resolution
S	1.19999V	10mV
M	2.4999V	100mV
F	2.499V	1mV

- Open Circuit Voltage: < +5.0V dc
- Test Current: Approximately 0.5mA dc
- Audible Tone: Continuous beep for continuity and single tone for normal forward-biased diode or semiconductor junction
- Continuity level: Approximately below +50mVdc
- Maximum Input Protection: 500V dc or ac rms

Resistance/Continuity (2-wire)

Rate	Range	Resolution	Maximum Reading	Accuracy
S	120 Ohm	1m Ohm	119.999	0.1% + 2 ⁽¹⁾
M	400 Ohm	10m Ohm	399.99	0.1% + 5 ⁽¹⁾
F	400 Ohm	100m Ohm	399.9	0.1% + 8 ⁽¹⁾

⁽¹⁾ Use relative (REL) modifier

- Open Circuit Voltage: < +5.0V dc
- Test Current: Approximately 0.5mA dc
- Audible Tone: Continuous beep for reading is less than 10 Ohm
- Zeroing error: 0.05 Ohm or less (excluding test lead resistances) in each range when REL modifier is used
- Maximum Input Protection: 500V dc or ac rms

Frequency

Resolution, Full Scale Reading and Accuracy

Range (Hz)	Measurement Range (Hz)	Resolution (Hz)	Full Scale Reading	Accuracy (1 year) ⁽¹⁾	Input Sensitivity (Sine wave)
1200	5 to 1200	10m	1199.99	0.005 + 3	40mV rms
12k	10 to 12k	100m	11.9999	0.005 + 2	
120k	100 to 120k	1	119.999	0.005 + 2	
1M ⁽²⁾	1k to 1M	10	1.19999	0.005 + 2	0.5V rms

⁽¹⁾ Specified accuracy at input >5% of full scale

⁽²⁾ If tested frequency is greater than 1MHz, it will be displayed but no specified accuracy is guaranteed.

- Measurement method: True RMS
- Maximum Crest Factor: 3.0 at full scale
- Maximum input voltage: 750V rms, 1100V peak ac
2x10⁷ V-Hz product on any range, normal mode input

1x10⁶ V-Hz product on any range, common mode input

- **Input Impedance:** 1M Ohm in parallel with capacitance <120pF
- **Response Time:** Approximately 1.2 seconds when the displayed reading reaches 99.9% frequency value of the tested input signal at the same range.

dBm (decibel calculation)

Reference Impedance ⁽¹⁾

2 Ohm ⁽²⁾	50 Ohm	135 Ohm	800 Ohm
4 Ohm ⁽²⁾	75 Ohm	150 Ohm	900 Ohm
8 Ohm ⁽²⁾	93 Ohm	250 Ohm	1000 Ohm
16 Ohm ⁽²⁾	110 Ohm	300 Ohm	1200 Ohm
	124 Ohm	500 Ohm	8000 Ohm
	125 Ohm	600 Ohm ⁽³⁾	

⁽¹⁾ Reference impedance is displayed on the secondary display

⁽²⁾ Reading displayed in watts (Audio Power)

⁽³⁾ Default reference impedance

Range and Accuracy

Rate	Voltage Range ^(1,2)	Input Voltage	dBm ⁽³⁾ Range @ 600 Ohm Ref	Accuracy (dB)		
				20 to 45 Hz	45 to 10 kHz	0 to 100 kHz
S	120mV	6mV ~ 120mV	-42.20 ~ -16.20	1.0	0.2	1.0
	1.2V	120mV ~ 1.2V	-16.20 ~ 3.80	0.8	0.1	0.8
	12V	1.2V ~ 12V	3.80 ~ 23.80	0.8	0.1	0.8
	120V	12V ~ 120V	23.80 ~ 43.80	0.8	0.1	0.8
	1000V (dc) 750V (ac)	120V ~ 1000V 120V ~ 750V	43.80 ~ 62.22 43.80 ~ 59.72	-	1.0 ⁽⁴⁾	-
M & F	400mV	20mV ~ 400mV	-31.76 ~ -5.74	1.0	0.2	1.0
	4V	400mV ~ 4V	-5.74 ~ 14.26	0.8	0.1	0.8
	40V	4V ~ 40V	14.26 ~ 34.26	0.8	0.1	0.8
	400V	40V ~ 400V	34.26 ~ 54.26	0.8	0.1	0.8
	1000V (dc) 750V (ac)	400V ~ 1000V 400V ~ 750V	54.26 ~ 62.22 54.26 ~ 59.72	-	1.0 ⁽⁴⁾	-

⁽¹⁾ Auto-ranging is used when dBm function is selected

⁽²⁾ In Vac 750V range, 5% over-range is readable

⁽³⁾ Reading displayed in dB when REL modifier is used

⁽⁴⁾ For input voltage at frequency between 45Hz to 1kHz

- **0dBm: 1 m Ohm @ 600 Ohm Reference Impedance**
- **Resolution: 0.01dB at slow and medium rate; 0.1dB at fast rate for all ranges.**
- **CMRR: > 90dB for dc signal**
- **Response Time: Same as ac voltage and ac current measurements.**

A-3 General Specifications	
General Items	Specifications
Ohmarm up time	At least 30 minutes
Temperature Coefficient	Add 0.15 x (the applicable accuracy)/°C at 0°C to 18°C and 28°C to 50°C
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 60°C
Altitude	Up to 2000 M
Pollution Degree	II
Over-voltage Category	CAT II-600V and CAT I-1000V
Relative Humidity	— Up to 80% for 0°C to 28°C (75% RH for 12M Ohm and above ranges of resistance measurement) — Up to 70%for 28°C to 35°C — Up to 50%for 35°C to 50°C