

Data sheet

IEK 10N

Digital Multimeter

FEATURE:

- 3200 count digital display
- 65 segment analog bargraph
- Autoranging and manual selection
- 0.7% basic DCV accuracy
- 1.5% basic ACV accuracy
- 1.0% basic Ohms accuracy
- 1.9% basic ACA accuracy
- AC 300A capability
- Non-intrusive transducing
- Up to 29mm dia. conductor
- 600V protection in every range
- Fast continuity beeper
- Data hold function
- Auto power off
- Standard "AAA" size batteries, long battery life
- Featured with standard 3/4" pitch input jacks
- Rugged construction with fire retardant, high-impact plastic case
- Soft carrying case included
- CAT.III 300V/CAT.II 600V Safety standard

SPECIFICATION:(All at 23°C ±5°C, ≤80% R.H.)

DC/AC Voltage

Range	Input Impedance	Accuracy
32mV~600V DC	≥1MΩ	±(0.7%+2dgt)
3.2V~600V AC	10MΩ// < 100pF	±(1.7%+5dgt) 40Hz~500Hz

Overload Protection: 600V rms

AC Current

Range	Accuracy	
	50Hz~60Hz	40Hz~400Hz
0.1A~300A	±(1.9%+0.5A)	±(3.9%+1A)

Resistance

Range	Accuracy
320Ω	±(1.2%+4dgt)
3.2KΩ~320KΩ	±(1%+2dgt)
3.2MΩ	±(1.5%+3dgt)
30MΩ	±(3%+5dgt)

Overload Protection: 600V rms

Continuity

Continuity Tester: <20Ω
Indicator: 2KHz tone buzzer

Diode

Open Circuit Voltage: 3.3V max

General

Sampling Rate:	2times/sec digital, 12times/sec analog
Overload Indication:	"OL" or "OL"
Low Battery Indication:	
Auto Power Off:	Approx. 30 minutes after last operation
Operating Temperature:	0°C~30°C (≤ 80% R.H.), 30°C~40°C (≤ 75% R.H.), 40°C~50°C (≤ 45% R.H.)
Storage Temperature:	-20°C~60°C
Temperature Coefficient:	0.2×(spec. Acc'y)/°C <18°C, >28°C
Safety:	IEC 61010-1: CAT.III 300V, CAT.II 600V
Maximum Conduct Size:	29mm dia.
Maximum Jaw Opening:	30mm dia.
Power Requirement:	Two 1.5V Alkaline type AAA batteries
Battery Life:	800 hours(Alkaline)
Size:	145mm(W)×42mm(L)×24mm(H) w/o probe
Weight:	270g
Accessories:	Battery (installed), Test Leads, Carrying Case and User Manual