DER EE®
Analog Multimeter

DE-360TRN / DE-361TRN / DE-365TRN

FEATURES :

- Total Protection-patented design(perfectly fit for use of production line, work shop, DIY at home, education, amateur or hobby)
- Big shiny scale
- Stand Rack Attached For Reading Easily

ACCESSORIES :

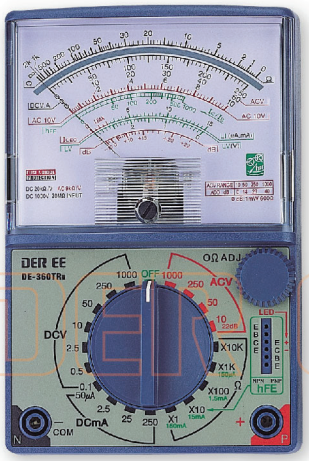
- AA Battery 1.5V 2
- Battery 9V(006P, 6F22) 1
- Instruction Manual 1
- Test Lead (red + black) 1
- Spare Fast Fuse-0.5A / 250V (Ø5×20mm) put interior of multimeter 1

DIMENSION & WEIGHT :

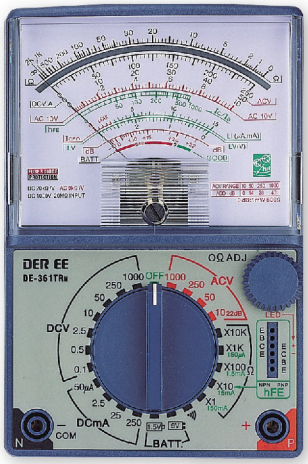
- 152(L) x 100(W) x 38(H) mm (5.98" x 3.93" x 1.5")
- DE-360TRN Approx. 220g (0.49 lbs.)
  DE-361TRN Approx. 220g (0.49 lbs.)
  DE-365TRN Approx. 255g (0.56 lbs.)
  (Excluding battery)

TEMP./HUMIDITY :

- **Operation :**
  0°C~40°C(32°F~104°F)
  <80% R.H.(no condensation)
- **Storage :**
  -10°C~50°C(14°F~122°F)
  <80% R.H.(no condensation)



DE-360TRN



DE-361TRN

MEASUREMENT RANGES : (23°C ± 5°C, 80% R.H. MAX.)

*arc : the angle of deflection

Measurement / Movement	Range	Accuracy DE-360TRN Pivot & Jewel	Accuracy DE-361TRN Pivot & Jewel	Accuracy DE-365TRN Pivot & Jewel	Remark Vibration resistance
DCV	0.1V	Within ±3% F.S.	Within ±3% F.S.	Within ±3% F.S.	Input impedance 20kΩ/V
	0.5V				
	2.5V				
	10V				
	50V				
	250V				
	1000V				
ACV	10V	Within ±4% F.S.	Within ±4% F.S.	Within ±4% F.S.	Input impedance 9kΩ/V
	50V				
	250V				
	1000V				
DCmA	50μA	Within ±3% F.S.	Within ±3% F.S.	Within ±3% F.S.	Voltage drop 250mV (100mV for 50μA)
	2.5mA				
	25mA				
	250mA				
DCA	10A	—	—	±3% F.S.	
ACA	10A	—	—	±5% F.S.	
Buzzer	Conduct indicator (BUZZER is emitted at about 20Ω or less)	—	V	V	Power consumption approx. 150mA same as Ω x1 range
Ω (Resistance)	X1 : 0~ 2KΩ Center 20Ω	Within ±3% of arc	Within ±3% of arc	Within ±3% of arc	Batteries UM-3 (1.5V) x 2 006P (9V) x 1
	X10 : 0~ 20KΩ Center 200Ω				
	X100: 0~200KΩ Center 2kΩ				
	X1K : 0~ 2MΩ Center 20kΩ				
	X10K : 0~ 20MΩ Center 200kΩ				
Battery Test (BATT.)	0 ~ 1.5V GOOD - ? - BAD Color-coded scale	—	Within ±5% of arc	—	Load current 1.5V 250mA 9V 25mA
	0 ~ 9V GOOD - ? - BAD Color-coded scale	—	Within ±5% of arc	—	
dB	-10dB~+22dB(FOR 10VAC)~+62dB 0dB/0.775V (1mW through 600Ω)	Within ±4% F.S.	Within ±4% F.S.	Within ±4% F.S.	9kΩ/ V
Leakage current (Iceo) (LI)	0 ~ 150μA at x 1k range	Within ±5% of arc	Within ±5% of arc	Within ±5% of arc	Current across terminal
	0 ~ 1.5mA at x 100 range				
	0 ~ 15mA at x 10 range				
	0 ~ 150mA at x 1 range				
Terminal to terminal Voltage (LV)	Common to each Ω range 3V-0V (Reverse of LI scale)	Within ±5% of arc	Within ±5% of arc	Within ±5% of arc	Voltage applied across terminal
DC Current amplification factor (hFE)	Transistor hFE : 0-1000 (in x 10Ω range) $\frac{IC}{IB}$	Within ±3% of arc	Within ±3% of arc	Within ±3% of arc	Insert hFE pin (on scale) directly
LED	in x 10Ω range	V	V	V	Insert ±LED pin (on scale) directly

DER EE http://www.deree.com.tw

Appearance and specification may be revised if needed without notice in prior.