

DER EE

EE[®]

Analog Multimeter

FEATURE

- Total Protection-patented design(perfectly fit for of production line, work shop, DIY at home, education, amateur of hobby)
- Big shiny scale.
- Stand rack attached for reading easily.
- **Taut Band Movement** with unique feature to absorb vibration and non-friction to avoid the distortion of accuracy and a long-term life time.
- **Operating** : 0°C~40°C(32°F~104°F) <80% R.H.(without condensation)
- **Storage** : -10°C~50°C(14°F~122°F) <80% R.H.(without condensation)
- **Dimension** : 152(L)x100(W)x38(H)mm (5.98"x3.93"x1.5")
- **Accessories** :
 - Battery 1.5V(UM-3,AA) x2
 - Instruction Manual x1
 - Spare Fast Fuse-0.5A/250V(φ5x20mm) put interior of multimeter x1
 - Battery 9V(006P,6F22) x1
 - Test Leads (red+black) x1

ISO 9001 / ISO 14001 / ISO 45001



SPECIFICATION

(23°C±5°C, 80% RH MAX.) *arc : the angle of deflection

DE-961TRn

Measurement Movement	Range	Accuracy Taut Band	Remark Vibration resistance
DCV	0.1V	Within ±3% F.S.	Input impedance 20kΩ/V
	0.5V		
	2.5V		
	10V		
	50V		
	250V		
1000V			
DCV NULL meter	0 ~ ±5V	Within ±3% F.S.	0-centering meter type input impedance 40kΩ/V
	0 ~ ±25V		
ACV	10V	Within ±5% F.S.	Input impedance 9kΩ/V
	50V	Within ±4% F.S.	
	250V		
	1000V		
DCmA	50μA	Within ±3% F.S.	Voltage drop 250mV (100mV for 50μA)
	2.5mA		
	25mA		
	250mA		
DCA	10A	Within ±3% F.S.	
Buzzer	Conduct indicator (Buzzer is emitted at about 100Ω or less)	V	Power consumption approx. 150mA same as Ω x1 range
Ω (Resistance)	X1 : 0~ 2KΩ Center 20Ω	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
dB	-10dB~+22dB(FOR 10VAC)~+62dB 0dB/0.775V (1mW through 600Ω)	Within ±4% F.S.	9kΩ/V
Leakage current (I _{ceo}) (LI)	0 ~ 150μA at x 1k range	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	Voltage applied across terminal
DC Current amplification factor (hFE)	Transistor hFE : 0-1000 (in x 10Ω range) $\frac{I_C}{I_B}$	Within ±3% of arc	Insert hFE pin (on scale) directly
LED	in x 10Ω range	V	Insert ±LED pin (on scale) directly

DCV ACV DCmA DCA Ω BATT dB I_{ceo}/LI LV hFE LED

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Specifications and appearance may be revised if needed without any prior notice. Any further product info, please contact us.