

Multifunctional model



SH-88TR

Zero center meter (NULL)

- Total 35 wide ranges (22ch sw + additional functions)
- Capacitance measurement $1\mu\text{F}\sim 1\text{F}$
- LED for continuity check

Optional accessories

HV probe : HV-10
 Carrying case : C-Y5
 Clip adapter : CL-11, TL-8IC
 hFE probe : HFE-6



Function	Measuring range	Accuracy
DCV (NULL)	120m/3/12/30/120/300/1200V (20k Ω /V)	$\pm 2.5\%$ of full scale
ACV	$\pm 6/15/60/150/600\text{V}$ (40k Ω /V)	$\pm 2.5\%$ of full scale
DCA	3/12/30/120/300/1200V (9k Ω /V)	$\pm 3\%$ of full scale (3V : $\pm 5\%$)
Resistance	50 μ /3m/30m/0.3A	$\pm 2.5\%$ of full scale
dB	3k/30k/300k/3M/30M Ω	$\pm 3\%$ of arc
Capacitance	-10 \sim +63dB	$\pm 3\%$ of full scale (3V : $\pm 5\%$)
Continuity	1000 μ /0.01/0.1/1F	
Bandwidth	LED : emitting light at 10 Ω or less. Open voltage : 3V	
Battery	40 \sim 30kHz (less than 30V : $\pm 3\%$) 30 \sim 100kHz (less than 30V : $\pm 1\text{dB}$)	
Fuse	R6P \times 2, 6F22 \times 1	
Size / Weight	$\phi 5.2 \times 20\text{mm}$ (250V/0.5A)	
Standard accessories included	H150 \times W100 \times D36mm/approx. 280g	
	Test lead (TL-61), Instruction manual	

The value in () at DCV and ACV is input resistance.

High input impedance

AU-32
AU-31

Auto range, High input impedance

- Auto range selection (V, Ω)
- Auto polarity
- High input impedance 1 \sim 10M Ω
- Series capacitor input ※AU-31 ACV only
- Auto 0 Ω adjustment
- Inner battery check
- DC / AC auto selection ※AU-32 only
- 5 ranges DC / AC current ※AU-32 only

Bandwidth : 40 \sim 10kHz (0.25V : $\pm 5\%$), 40 \sim 600Hz (2.5V and above : $\pm 5\%$)
 : 40 \sim 10kHz (0.3V : $\pm 5\%$), 40 \sim 1kHz (3V and above : $\pm 4\%$)

Optional accessories

HV probe : HV-50
 Carrying case : C-SP
 Clip adapter : CL-11, TL-8IC



AU-32



AU-32	Measuring range	Accuracy
DCV	$\pm 250\text{m}$ (approx. 1M Ω /V) 2.5/10/50/250/500V (10M Ω /V)	$\pm 3\%$ of full scale
ACV	250m (approx. 1M Ω /V) 2.5/10/50/250/500V (10M Ω /V)	$\pm 3\%$ of full scale
DCA	$\pm 250\mu$ /2.5m/25m/250m/2.5A	$\pm 3\%$ of full scale
ACA	250 μ /2.5m/25m/250m/2.5A	$\pm 3\%$ of full scale
Resistance	20k/200k/2M/20M/200M Ω	$\pm 3\%$ of arc
dB	-10/+10/+22/+36/+50/+56dB	—
Bandwidth	40 \sim 10kHz (0.25V : $\pm 5\%$), 40 \sim 600Hz (2.5V \sim : $\pm 5\%$)	
Battery	R03 \times 4	
Fuse	$\phi 5.2 \times 20\text{mm}$ (250V/0.3A)	
Size / Weight	H48 \times W110 \times D124mm/approx. 290g	
Standard accessories included	Test lead (TL-61), Instruction manual	

The value in () at DCV and ACV is input resistance.

AU-31	Measuring range	Accuracy
DCV	$\pm 300\text{m}$ (approx. 1M Ω /V) 3/12/60/300/1000V (10M Ω /V)	$\pm 3\%$ of full scale
ACV	300m (approx. 1M Ω /V) 3/12/60/300/1000V (10M Ω /V)	$\pm 3\%$ of full scale
DCA	$\pm 300\text{m}$ /3A	$\pm 3\%$ of full scale
ACA	300m/3A	$\pm 3\%$ of full scale
Resistance	20k/200k/2M/20M/200M Ω	$\pm 3\%$ of arc
dB	-9/+11/+23/+37/+51/+62dB	—
Bandwidth	40 \sim 10kHz (0.3V : $\pm 5\%$) 40 \sim 1kHz (3V \sim : $\pm 4\%$)	
Battery	R03 \times 4	
Fuse	$\phi 5.2 \times 20\text{mm}$ (250V/0.5A)	
Size / Weight	H48 \times W110 \times D124mm/approx. 290g	
Standard accessories included	Test lead (TL-61), Instruction manual	

The value in () at DCV and ACV is input resistance.

Drop shock proof meter

YX360TRF

Best seller drop shock proof meter

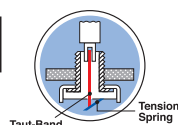
- Drop shock proof meter
- Null (zero center) meter $\pm 5 / \pm 25$ in DCV
- High resistance up to 200M Ω with low voltage
- Protective body cover
- Capacitance, dB, Li measurement

Bandwidth : 30 \sim 100kHz (AC10V)

Safety : IEC61010-1 (EN61010-1) 2001-02 CAT.III
 600V Max. / CAT.III1000VDC / 750VAC Max.

Optional accessories

hFE probe : HFE-6T
 Clip adapter : CL-11, TL-8IC
 High voltage probe : HV-10T



Function	Measuring range	Accuracy
DCV (NULL)	0.1V (20k Ω / V)	$\pm 5\%$ of full scale
	0.25 / 2.5 / 10 / 50 (20k Ω / V) / 250 / 1000V (9k Ω / V)	$\pm 3\%$ of full scale
	$\pm 5 / 25\text{V}$ (40k Ω / V)	$\pm 5\%$ of full scale
ACV	10 / 50 / 250 / 750V (9k Ω / V)	$\pm 4\%$ of full scale
DCA	50 μ / 2.5m / 25m / 0.25A	$\pm 1\%$ of full scale
Resistance	2k / 20k / 200k / 2M Ω (X1 / X10 / X100 / X1k)	$\pm 3\%$ of arc
	200M Ω (X100k)	$\pm 5\%$ of arc
Load current (LI)	0 \sim 150m / 15m / 1.5m / 150 μ / 1.5 μ A	
Capacitance	10 μ F	*2
dB	-10dB \sim +22dB (for 10VAC) \sim +62dB	—
DC high voltage	DC25kV (optional probe "HV-10T" is necessary)	—
hFE	1000 at X10 range (optional probe "HFE-6T" is necessary)	—
Battery	R6 (IEC) or UM-3(1.5V) \times 2	
Fuse	$\phi 5.2 \times 20\text{mm}$ (250V / 0.5A)	
Size / Weight	H159.5 \times W129 \times D41.5mm / approx. 320g	
Standard accessories included	Instruction manual, Hand strap	

The value in bracket at DCV and ACV is input resistance.

*1 Not including the resistance of fuse.

*2 Pointer indication of the maximum move by charged current in the capacitor.