

FET Tester



EM7000

High sensitivity for measurement of lower capacitance

- High input impedance (DCV2.5~12MΩ/V), and 0.12A range (DCA)
- Bandwidth: 40Hz~1MHz AC sign wave
- Rectangular pulse P-P (Peak to Peak) measurement (duty cycle 20% and above)
- Wide ohm range 0.2Ω~200MΩ
- Bandwidth: 40Hz~1MHz (12V range and below)
- Safety: IEC61010-1 (EN61010-1) 2001-02 CAT.III 600V Max.

Optional accessories

- High voltage probe: HV-50
- Carrying case: C-CA
- Clip adapter: CL-11, TL-8IC, CL-15
- Test lead: TL-21M



Function	Measuring range	Accuracy
DCV	120mV (400), 1.2kV (1000V)	±3% of full scale
ACV	±1.5kV (A), 15kV (1500V)	±3% of full scale
ACA	3V (approx. 2.5kΩ/12V), 15V (approx. 1.5kΩ/30V), 150V (approx. 150Ω/150V)	±3% of full scale
DCA	300μA (300mΩ/30A), 3mA (30mΩ/300V)	±3% of full scale
Resistance	2kΩ, 20kΩ, 200kΩ, 2MΩ, 20MΩ, 200MΩ	±3% of full scale
dB	10~85dB	±3% of full scale
Bandwidth	40Hz~1MHz (below 12V range)	±5% of full scale
Battery	RPX2, 6F22X1	±5% of full scale
Fuse	450mA ceramic (250V/0.5A)	±5% of full scale
Standard accessories included	H165XW100X124mm (approx. 27g)	±5% of full scale
Test lead (TL-21), Spare fuse, Instruction manual		±5% of full scale

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

Multifunctional model



SH-88TR

Zero center meter (NULL)

- Total 35 wide ranges (22ch sw + additional functions)
- Capacitance measurement 1μF~1F
- LED for continuity check
- Optional accessories
- High voltage probe: HV-10
- Carrying case: C-VS
- Clip adapter: CL-11, TL-8IC

Optional accessories

- High voltage probe: HV-10
- Carrying case: C-VS
- Clip adapter: CL-11, TL-8IC

High input impedance

AU-32
AU-31



Auto range, High input impedance

- Auto range selection (V, Ω)
- Auto polarity
- High input impedance 1~10MΩ
- Series capacitor input ※AU-31 ACV only
- Auto DC adjustment
- Inner battery check
- DC/AC auto selection ※AU-32 only
- 5 ranges DC/AC current ※AU-32 only
- Bandwidth: 40~10kHz (0.25V, ±5%), 40~600Hz (2.5V and above, ±5%)
- Optional accessories
- High voltage probe: HV-50
- Carrying case: C-SP
- Clip adapter: CL-11, TL-8IC

Optional accessories

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

Analog Multimeter



CX506a

Capacitor & Transistor checker (built-in oscillator)

- 26ch switch, wide range measurement
- Capacitance measurement 50pF~2000μF
- High input impedance 50kΩ/V (DC3~30V range)
- Switchable DC polarity
- Bandwidth: 40Hz~30kHz (3V and 12V), 40Hz~10kHz (30V range)
- Safety: IEC61010-1 (EN61010-1) 2001-02 CAT.III 600V Max.

Optional accessories

- High voltage probe: HV-50
- Carrying case: C-CA
- Clip adapter: CL-11, TL-8IC, CL-15
- Test lead: TL-21M



YX-361TR

Wide measurement range

- Total 35 wide ranges (24ch sw + additional functions)
- ±DCV zero center meter
- LED for continuity check
- OUTPUT terminal (series capacitor terminal)
- Battery check
- Optional accessories
- High voltage probe: HV-10
- Carrying case: C-VS
- Clip adapter: CL-11, TL-8IC

Optional accessories

- High voltage probe: HV-10
- Carrying case: C-VS
- Clip adapter: CL-11, TL-8IC



Function	Measuring range	Accuracy
DCV	0.1V (500), 1V (1000), 10V (10000), 100V (100000)	±3% of full scale
ACV	2.5V (100), 25V (1000), 250V (10000), 2.5kV (100000)	±3% of full scale
DCA	50μA (2.5mΩ/250V), 500μA (25mΩ/2.5kV), 5mA (250mΩ/25kV)	±3% of full scale
Resistance	2kΩ, 20kΩ, 200kΩ, 2MΩ, 20MΩ	±3% of full scale
dB	10~85dB	±3% of full scale
Continuity	LED, emitting light at 100 μA or less. Open voltage: 3V	±3% of full scale
Battery check	1.5V	±3% of full scale
Bandwidth	40~30kHz (less than 30V, ±3%), 40~10kHz (less than 30V, ±1dB)	±3% of full scale
Fuse	RPX2, 6F22X1	±3% of full scale
Standard accessories included	H165XW100X124mm (approx. 29g)	±3% of full scale
Test lead (TL-61), Instruction manual		±3% of full scale

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

Analog Multimeter

AUTO POL
AUTO RING
DCA
ACA

Function	Measuring range	Accuracy
DCV	120mV (400), 1.2kV (1000V)	±3% of full scale
ACV	30V (approx. 1.5kΩ/30V), 150V (approx. 150Ω/150V)	±3% of full scale
DCA	±500μA (2.5mΩ/250V), 5mA (250mΩ/2.5kV)	±3% of full scale
ACA	250μA (2.5mΩ/250V), 2.5A (250mΩ/2.5kV)	±3% of full scale
Resistance	20kΩ, 200kΩ, 2MΩ, 20MΩ, 200MΩ	±3% of full scale
dB	10~85dB	±3% of full scale
Bandwidth	40~10kHz (0.25V, ±5%), 40~600Hz (2.5V and above, ±5%)	±3% of full scale
Fuse	450mA ceramic (250V/0.5A)	±3% of full scale
Standard accessories included	H48XW110X124mm (approx. 29g)	±3% of full scale
Test lead (TL-61), Instruction manual		±3% of full scale

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

AUTO POL
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DCV	120mV (400), 1.2kV (1000V)	±3% of full scale
ACV	30V (approx. 1.5kΩ/30V), 150V (approx. 150Ω/150V)	±3% of full scale
DCA	±500μA (2.5mΩ/250V), 5mA (250mΩ/2.5kV)	±3% of full scale
ACA	250μA (2.5mΩ/250V), 2.5A (250mΩ/2.5kV)	±3% of full scale
Resistance	20kΩ, 200kΩ, 2MΩ, 20MΩ, 200MΩ	±3% of full scale
dB	10~85dB	±3% of full scale
Bandwidth	40~10kHz (0.25V, ±5%), 40~600Hz (2.5V and above, ±5%)	±3% of full scale
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The value in () at DCV and ACV is input resistance.

DSP
hFE
OUT

Function	Measuring range	Accuracy
DCV	0.1V (500), 1V (1000), 10V (10000), 100V (100000)	±3% of full scale
ACV	2.5V (100), 25V (1000), 250V (10000), 2.5kV (100000)	±3% of full scale
DCA	50μA (2.5mΩ/250V), 500μA (25mΩ/2.5kV), 5mA (250mΩ/25kV)	±3% of full scale
Resistance	2kΩ, 20kΩ, 200kΩ, 2MΩ, 20MΩ	±3% of full scale
dB	10~85dB	±3% of full scale
Continuity	LED, emitting light at 100 μA or less. Open voltage: 3V	±3% of full scale
Battery check	1.5V	±3% of full scale
Bandwidth	40~30kHz (less than 30V, ±3%), 40~10kHz (less than 30V, ±1dB)	±3% of full scale
Fuse	RPX2, 6F22X1	±3% of full scale
Standard accessories included	H165XW100X124mm (approx. 29g)	±3% of full scale
Test lead (TL-61), Instruction manual		±3% of full scale

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DSP
hFE
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Function	Measuring range	Accuracy
DCV	0.1V (500), 1V (1000), 10V (10000), 100V (100000)	±3% of full scale
ACV	2.5V (100), 25V (1000), 250V (10000), 2.5kV (100000)	±3% of full scale
DCA	50μA (2.5mΩ/250V), 500μA (25mΩ/2.5kV), 5mA (250mΩ/25kV)	±3% of full scale
Resistance	2kΩ, 20kΩ, 200kΩ, 2MΩ, 20MΩ	±3% of full scale
dB	10~85dB	±3% of full scale
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Bandwidth	40~30kHz (less than 30V, ±3%), 40~10kHz (less than 30V, ±1dB)	±3% of full scale
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