

# sanwa®

## TOKYO JAPAN

Digital  
Multimeter



Hybrid pocket size  
DMM + Clamp meter

Hybrid

- DCV 4ranges / ACV 4ranges /  $\Omega$  6ranges
- AC and DC currents measurable up to 100A

New  
PM33

Multimeter + Clamp meter



Back view



*New 3 models will be released!!*

Insulation  
Resistance Tester

Hybrid pocket size  
Insulation Resistance Tester + Clamp meter



New  
DG34



New  
DG35

400M $\Omega$  Model Inorganic EL Backlight

Insulation Resistance + Clamp meter

40M $\Omega$  Model Inorganic EL Backlight

Insulation Resistance + Clamp meter

Tokyo  
Metropolitan  
Governor's  
Prize  
winning

Exhibition work to a product contest at  
an Electrical Construction Equipment and  
Materials Fair 2009 (JAPAN)



(DG35)

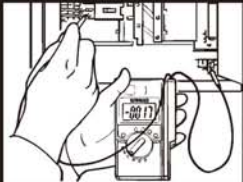
## Digital Multimeter



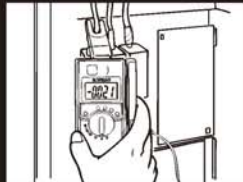
### Features

- Hybrid pocket size DMM + Clamp meter
- International Safety Standard CAT.II 600V, CAT.III 300V in accordance with IEC61010-1
- Maximum / Minimum value Hold
- Allow you to measure electric current with thin U-shaped current sensor(7mm) at angles of 0 and 180 degrees
- AC and DC currents measurable up to 100A
- Data hold
- Measurement of relative value
- Auto power off

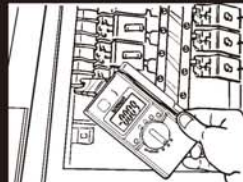
PM33	Measuring range	Best accuracy	Resolution
DCV	660m / 6.6 / 66 / 600V	$\pm(0.7\%rdg+3dgt)$	0.1mV
ACV	660m / 6.6 / 66 / 600V	$\pm(1.6\%rdg+7dgt)$	0.1mV
DCA	100A	$\pm(2.0\%rdg+5dgt)$	0.1A
ACA	100A	$\pm(2.0\%rdg+5dgt)$	0.1A
Resistance	660 / 6.6k / 66k / 660k / 6.6M / 66M $\Omega$	$\pm(1.2\%rdg+5dgt)$	0.1 $\Omega$
Capacitance	6.6n / 66n / 660n / 6.6 $\mu$ / 66 $\mu$ / 660 $\mu$ / 6.6m / 66mF	$\pm(5.0\%rdg+10dgt)$	0.001nF
Frequency	660 / 6.6k / 66kHz	$\pm(0.5\%rdg+3dgt)$	0.1Hz
Duty cycle	20%~80%	$\pm(0.5\%rdg+5dgt)$	
Diode test	Open voltage : approx. 3V		
Continuity	Buzzer sounds at below 30 $\Omega$ . Open voltage : approx. 1.2V		
Battery	LR03 x 2		
Size / Weight	H130 x W75 x D19.9mm / approx160g(including Battery)		
Clamp diameter	$\phi$ 10mm		



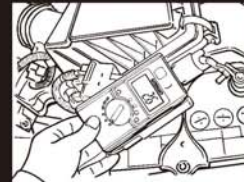
Insulation Resistance measurement  
[DG34] [DG35]



AC current measurement  
[DG34] [DG35] [PM33]



Cables in a narrow space can be clamped for current measurement  
[DG34] [DG35] [PM33]



DC current measurement  
[DG34] [DG35] [PM33]



Easy to put in a shirt pocket

## Insulation Resistance Tester

Inorganic EL Backlight

Insulation Resistance + Clamp meter



## Insulation Resistance Tester

Inorganic EL Backlight

Insulation Resistance + Clamp meter



### Features

- Optimum hybrid meter for electric work
- Pocket size Insulation Resistance Tester
- ACV / DCV measurement range
- DCA / ACA measurement range
- U-shaped CT
- Inorganic EL Backlight
- Test leads holder with Thermo plastic elastomer which is easy to reel.
- Allow you to measure electric current with thin U-shaped current sensor(7mm) at angles of 0 and 180 degrees
- Data hold
- Measurement of relative value
- Auto power off
- With Clip adapter

	DG34	DG35	Best accuracy	Resolution(DG34)	Resolution(DG35)
DCV	400V	400V	$\pm(1.1\%rdg+3dgt)$	0.1V	0.1V
ACV	400V	400V	$\pm(1.6\%rdg+7dgt)$	0.1V	0.1V
DCA	100A	100A	$\pm(2.0\%rdg+5dgt)$	0.1A	0.1A
ACA	100A	100A	$\pm(2.0\%rdg+5dgt)$	0.1A	0.1A
Insulation Resistance	500V / 400M $\Omega$ 250V / 400M $\Omega$ 125V / 400M $\Omega$	500V / 40M $\Omega$ 250V / 40M $\Omega$ 125V / 40M $\Omega$	$\pm(3.0\%rdg+3dgt)$	0.1M $\Omega$	0.01M $\Omega$
Current Measuring	500V approx.5 $\mu$ A(100M $\Omega$ loaded) 250V approx.2.5 $\mu$ A(100M $\Omega$ loaded) 125V approx.1.25 $\mu$ A(100M $\Omega$ loaded)	500V approx.50 $\mu$ A(10M $\Omega$ loaded) 250V approx.25 $\mu$ A(10M $\Omega$ loaded) 125V approx.12.5 $\mu$ A(10M $\Omega$ loaded)			
Battery	LR03 x 2				
Size / Weight	H130 x W75 x D19.9mm / approx155g(including Battery)				
Standard accessory	Alligator Clip x 1				
Clamp diameter	$\phi$ 10mm				



# sanwa

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Specifications and external appearance of the product described above may be revised for modification without prior notice.

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