

sanwa®

TOKYO JAPAN

Digital
Multimeter



Hybrid pocket size
DMM + Clamp meter

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

Hybrid

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 Ω Model Inorganic EL Backlight

Insulation Resistance + Clamp meter

40M Ω 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

Multimeter + Clamp meter



Hybrid Mini Tester

New

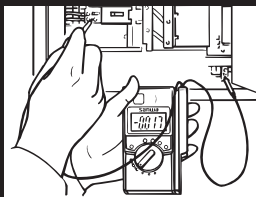
PM33



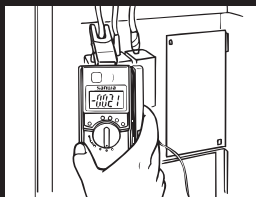
Features

- 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

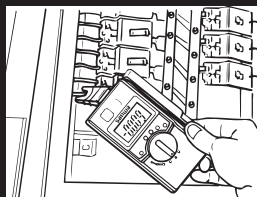
PM33	Measuring range	Best accuracy	Resolution
DCV	660m / 6.6 / 66 / 600V	±(0.7%rdg+3dgt)	0.1mV
ACV	660m / 6.6 / 66 / 600V	±(1.6%rdg+7dgt)	0.1mV
DCA	100A	±(2.0%rdg+5dgt)	0.1A
ACA	100A	±(2.0%rdg+5dgt)	0.1A
Resistance	660 / 6.6k / 66k / 660k / 6.6M / 66MΩ	±(1.2%rdg+5dgt)	0.1Ω
Capacitance	6.6n / 66n / 660n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



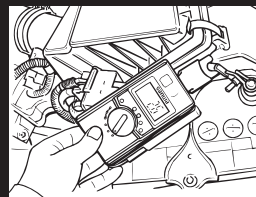
Insulation Resistance measurement [DG34] [DG35]



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



Hybrid Mini Tester

New

DG34



Insulation Resistance Tester

Inorganic EL Backlight

Insulation Resistance + Clamp meter



Hybrid Mini Tester

New

DG35



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	±(1.1%rdg+3dgt)	0.1V	0.1V
ACV	400V	400V	±(1.6%rdg+7dgt)	0.1V	0.1V
DCA	100A	100A	±(2.0%rdg+5dgt)	0.1A	0.1A
ACA	100A	100A	±(2.0%rdg+5dgt)	0.1A	0.1A
Insulation Resistance	500V / 400MΩ 250V / 400MΩ 125V / 400MΩ	500V / 40MΩ 250V / 40MΩ 125V / 40MΩ	±(3.0%rdg+3dgt)	0.1MΩ	0.01MΩ
Current Measuring	500V approx.5μA(100MΩ loaded) 250V approx.2.5μA(100MΩ loaded) 125V approx.1.25μA(100MΩ loaded)	500V approx.50μA(10MΩ loaded) 250V approx.25μA(10MΩ loaded) 125V approx.12.5μA(10MΩ loaded)			
Battery	LR03 x 2				
Size / Weight	H130 x W75 x D19.9mm / approx155g(including Battery)				
Standard accessory	Alligator Clip x 1				
Clamp diameter	φ 10mm				



With Clip adapter

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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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