

3 RANGES ANALOG INSULATION RESISTANCE TESTER

sanwa

CE



ISO9002 Certified
JQA-1453
SANWA TESMEX CO., LTD.



DM5218S

DM1528S DM5218S

Introduction

These models are compact lightweight simple operation easy-to-use insulation resistance meters having a rigid structure and a new design of modern feeling. Adoption of inner magnetic field type meter, which excludes influence of external magnetic field for an indicator needle portion, causes a stable indication to be obtained. The Auto discharge function has been installed. These models are in compliance with JIS C1302 1994 and IEC1010-1 CATIII 600V.

Feature

- Equipped with the discharge function
- Equipped with the MΩ measuring switch that enables both one-shot and continuous measurement with switch lock function.
- DC voltage up to 60VDC can be measured.
- AC voltage up to 600VAC can be measured.
- Equipped with a strap to suspend from the neck to allow both hands to be used for measurement.

Standard Accessories

- Test Lead "TL-508S" 1 set
- Instruction manual, 1 copy
- Carrying case "C-08S, 1 piece

General Specification

AC rectifying method:	Half-wave rectification (Mean value indication rms value converted)
Meter specification:	Inner-pole type taut-band system, 24 μ A
Battery consumption:	Checked by BATTERY CHECK range.
Allowable temperature/humidity:	18 ~ 28°C, 75% RH max., no condensation
Service temperature /humidity:	0 ~ 40°C, 80% RH max., no condensation
Storage temperature /humidity:	-10 ~ 50°C, 70% RH max., no condensation
Service ambient condition:	Altitude 2000m max., environment pollution 2
Built-in battery:	Layer built type alkaline battery 6LR61 x 1 (9V)
Max. power consumption:	Approx. 2.6W at 1000V/2000M Ω range
Continuous service hours*:	Approx. 4.0 hours at 1000V/2000 M Ω range Approx. 5.0 hours at 500V/2000 M Ω range Approx. 5.0 hours 250V/500M Ω range Approx. 5.5 hours 125V/200M Ω range
Applicable standard:	JIS C 1302-1994 Insulation Resistance Testers
Safety standard:	IEC-1010-1 Overvoltage CATIII 600V, protection class 2 (EN61010-1)
Withstand voltage:	3.7kV AC (one minute), between measuring terminal and rear case
Size and weight:	H144 x W99 x D43mm, approx. 310g

* when indicating the center scale value of the M Ω range

Measurement range and Accuracy

MODEL	DM1528S			DM5218S		
M Ω	Rated measuring voltage	Maximum value	Large numeral: 1st effective measuring scale Small numeral: 2nd effective measuring scale	Rated measuring voltage	Maximum value	Large numeral: 1st effective measuring scale Small numeral: 2nd effective measuring scale
	1000V	2000M Ω	1-2-1000-2000M Ω	500V	1000M Ω	0.5-1-500-1000M Ω
	500V	1000M Ω	0.5-1-500-1000M Ω	250V	500M Ω	0.1-0.5-200-500M Ω
	250V	500M Ω	0.05-0.5-200-500M Ω	125V	200M Ω	0.05-0.2-100-200M Ω
ACV	0 ~ 600V					
DCV	0 ~ 60V					
Accuracy	M Ω range					
	1st effective measurement range: \pm 5% of reading					
	2nd effective measurement range: \pm 10% of reading					
	0, scale: \pm 0.7% of scale length					
No load voltage: \pm 30/0 % of raged measuring voltage						
Rated measuring current: 1 ~ 1.2mA						
Short Circuit current: max 2mA						
ACV range (50/60Hz sine wave): \pm 5% of full scale						
DCV range: \pm 5% of full scale						