FIELD MEASURING INSTRUMENTS FOR PV SYSTEMS

INSULATION RESISTANCE TESTERS

Three Models Line-up according to the applications







Can measure accurately during PV generating

- Safety no need to short-circuit P & N phase
- Measurable from low voltage circuit to PV panels
- Can measure AC voltage (AC0~599V)
- Switchover 4 ranges 125/250/500/1000V



FIELD MEASURING INSTRUMENTS FOR PV SYSTEMS

DIFFERENCE FROM ORDINARY **INSULATION RESISTANCE TESTERS**

Generally, PV systems are generating powers always during day time and the measurement of insulation resistance should be done under live line conditions. In case of ordinary resistance testers, the generated voltage will have an influence on measured values and in addition, there is a possibility that the tester might be damaged caused by superimposed voltage. In order to solve this problem, there is a measuring method by short-circuit of P & N phase but it is necessary to prepare the short-circuit breaker, etc. and there is possible danger that electric arcs happen by mis-operation.

MIS-PV series have been developed by taking the above matters into consideration and can measure insulation resistance accurately & safely even during PV generation without short-circuit by its unique designs.

By using MIS-PV series, safer and more efficient works for insulation resistance measurement of PV generating panels can be realized.

SPECIFICATIONS

RATED VOLTAGE EFFECTIVE	MIS	MIS-PV2(125/250/500/1000v)			
	125V	250V	500V		
MAX. DISPLAY	20ΜΩ	50ΜΩ	100MΩ		
CENTER	0.5ΜΩ	1MΩ	2ΜΩ		
FIRST EFFECTIV	0.02ΜΩ~10ΜΩ	0.05ΜΩ~20ΜΩ	0.1ΜΩ~50ΜΩ		
TOLERANCE	Less than ±5%				
SECOND EFFECT.	0.01MΩ~less 0.02MΩ Over 10MΩ~20MΩ	0.02MΩ~less 0.05MΩ Over 20MΩ~50MΩ	$0.05M\Omega \sim less 0.1M\Omega$ Over $50M\Omega \sim 100M\Omega$	0	
TOLERANCE	Less than ±10%				
DETERIORATION (ONLY MIS-PVS)	Deterioration point will be displayed on LCD in case of insulation resistance le %Only during measurement of PV panels, indicate P or N phase and or betw				
AC VOLTAGE(ONLY MIS-PV2)					
RANGE	AC0~599V (Min. Resolution 0.1V)				
TOLERANCE	±1.5%rdg±10dgt				
DC VOLTAGE(ONLY MIS-PVS)					
RANGE	DC0~999V (Min. Resolution 0.1V)				
TOLERANCE	±1.5%rdg±10dgt				

GENERAL

DISPLAY RANGE	3.200ΜΩ/32.00ΜΩ/320.0MΩ/3200MΩ
OTHER FUNCTIONS	OVER RANGE DISPLAY, DATA HOLD LOW BATTERY DISPLAY, AUTO DISC
STANDARD	JIS C 1302 Equivalent
OPERATING TEMP.	0~40°C, less than 80%RH (without co
POWER SUPPLY	1.5V (AA size, LR6) alkali battery×6 pc
DIMENSION/WEIGHT	170(W)×105(D)×52(H)mm, approx. 350
ACCESSORIES	MIS-PV1 : Line Cord×1, Earth Cord×1 MIS-PV2 : Line Cord×1, Earth Cord×1 MIS-PVS : Line Cord×2, Earth Cord×1 Common : Insulation Cap×1, Belt×1, L

010132	10014132	200010132			
1MΩ	2ΜΩ	50MΩ			
Ω~20MΩ	0.1ΜΩ~50ΜΩ	2ΜΩ~1000ΜΩ			
Less than ±5%					
~less 0.05MΩ MΩ~50MΩ	$0.05M\Omega \sim less 0.1M\Omega$ Over $50M\Omega \sim 100M\Omega$	1MΩ~less 2MΩ Over 1000MΩ~2000MΩ			
Less than $\pm 10\%$					
played on LCD in of PV panels, inc	n case of insulation resistand dicate P or N phase and or b	ce less than 1MΩ. between modules.			
C0~599V (Min.	Resolution 0.1V)				
±1.5%rdg±10dqt					
	<u> </u>				
C0~999V (Min. Resolution 0.1V)					
±1.5%rdg±10dgt					
(4 Range Auto) 9, AUTO POWEI CHARGE	R OFF, BACKLIGHT,				
ndensing)					
S.					
g (without batteries)					
Case for Cords Hard Case for Hard Case for R6 battery×6, Ir	Instrument×1 Instrument×1 Instruction Manual×1	ЧНОЕ РУДОВАНИ компаний			

1000V

2000MO