mail: sales@sew.com.tw



Insulation & Multi-function Tester(LCD)



4101 IN

4102 MF

FEATURES

- Microprocessor-controlled.
- Measures Insulation Resistance, voltage (AC-DC) measurements
- · Automatic hold facility.
- Continuity test with a short circuit current of minimum 200mA
- MOV and Gas Arrester Testing.(4102 MF)
- Energy conservation is feature.

- EnerSave™ limits the test duration to about 10 Seconds to save energy.
- No moving parts. All calibration are saved internally in a non volatile memory.
- Easy calibration at any facility around the world.
- Low cost maintenance, calibration, and ownership.
- Complies to all the latest regulations, including UK.

FEATURES COMPARISON	4101 IN	4102 MF
Digital EE Calibration (No Potentiometers)	•	•
Keypad Operation	•	•
Automatic Voltmeter AC/DC at Start/Reset	•	•
ON-Reset/Restart Key	•	•
Off Push Button(press more than 5 Sec on 1kV key)	•	•
Auto-off	•	•
Test ON-OFF	•	•
Polarization Index(PI) on 250, 500 and 1000V	•	•
Dielectric Absorption Ratio (DAR) on 250, 500 and 1000V	•	•
Battery Test	Test Battery at Start	Test Battery at Start
Battery Test at Switch ON / Reset	•	•
Voltmeter on request by Keypad	Automatic	Automatic
Safety Voltmeter before each Test	•	•
Auto-Discharge on all Test and all Ranges	•	•
Continuity Short Circuit Current > 220mA (225mA Typical)	•	•
Continuity Open Circuit Voltage of 5V dc	•	•
Nominal Voltage @ 1mA on all Insulation Ranges	•	•
Buzzer ON/OFF	Always ON	Always ON
Leads Auto-Null key	•	•
Test Auto-Stop	•	•
Re-programmable Microprocessor for Easy Updates	•	•
Can be calibrated in ALL calibration laboratories	•	•
Insulation measurement from 2kΩ (250V range)to	•	•
8GΩ (1kV Range)		
Continuity from 0.01Ω (220mA) to 1999Ω	•	•
DC Voltmeter from ± 1Vdc to ±950Vdc	•	•
AC Voltmeter from 1 Vac to 700 Vac	•	•
Accept 8 Rechargeable Batteries or Alkaline or normal	•	•
Smart Hold & Stop on Voltmeter ac / dc	•	•
MOV / Protection Devices Test		•
Gas Arrester Function		•
Ener Save™	•	•

www.sew.com.tw

5F., NO.105, Jhongcheng Rd., Tucheng Dist., New Taipei City 23674, Taiwan (R.O.C.) TEL: 886-2-22681528 FAX: 886-2-22681529 e-mail: sales@sew.com.tw



Insulation & Multi-function Tester(LCD)

SPECIFICATIONS

Inculation Total	4464 151	4400 145
Insulation Test Test voltage (DC V)	4101 IN 250V / 500V / 1000V	4102 MF 250V / 500V / 1000V
Output voltage @ 1mA	Rated test Voltage +10% Max	Rated test Voltage +10% Max
Measuring ranges	0.2M~2G / 0.2M-4G / 0.2M-8GΩ	0.2M~2G / 0.2M-4G / 0.2M-8GΩ
, ,	0.2M~4GΩ: ±3%rdg	0.2M~4GΩ: ±3%rdg
Accuracy	4GΩ~8GΩ : ±5%rdg	$4G\Omega$ ~8GΩ : ±5%rdg
When voltage is constant, Current is limited at	1.2mA	1.2mA
Short circuit current	4mA Max.	4mA Max.
Continuity Tool		
Continuity Test Measuring ranges	0.01-1999Ω	0.01-1999Ω
Weasumg ranges	$0.01-100\Omega$: ±1.0%rdg	0.01-1999Ω 0.01-100Ω : ±1.0%rdg
Accuracy	$100-300\Omega$: ±1.5%rdg	100-300Ω : ±1.5%rdg
Accuracy	$300-1999\Omega$: ±2.0%rdg	300-1999Ω : ±2.0%rdg
Short circuit current	>220mA	>220mA
Open circuit voltage	5V dc	5V dc
Resolution	±2 counts	±2 counts
	5555	3030
Voltmeter		
AC voltage (Auto)	0-700V	0-700V
DC voltage (Auto)	0-950V	0-950V
Accuracy	±1.5% rdg	±1.5% rdg
Resolution	±1V	±1V
MOV Test & GAS Arrester Test		
Test voltage	_	5-1020Vdc
Voltage result accuracy	_	±3% rdg
Voltage result resolution		±2 counts
Protections		
Over load	700V (between all terminals)	
Over voltage	Class III-700V towards ground	
O voi voitago	500mA 250V, (5 × 20mm), HBC, Fast Blow	
_	500mA 250V, (5 × 20mm), HBC, F	ast Blow
Fuse	500mA 250V, (5 × 20mm), HBC, F	ast Blow
Fuse General		ast Blow
Fuse General Display	2 lines × 16 characters LCD	ast Blow
Fuse General Display Auto-null threshold	2 lines × 16 characters LCD 5Ω	ast Blow
Fuse General Display Auto-null threshold Buzzer threshold	2 lines × 16 characters LCD 5Ω 3Ω	ast Blow
Fuse General Display Auto-null threshold Buzzer threshold Fast test	2 lines × 16 characters LCD 5Ω 3Ω 10Sec	ast Blow
Fuse General Display Auto-null threshold Buzzer threshold Fast test Long test	2 lines × 16 characters LCD 5Ω 3Ω 10Sec 60Sec	ast Blow
General Display Auto-null threshold Buzzer threshold Fast test Long test With PI and DAR test function	2 lines × 16 characters LCD 5Ω 3Ω 10Sec 60Sec 10Min	ast Blow
General Display Auto-null threshold Buzzer threshold Fast test Long test With PI and DAR test function Load battery test current	2 lines × 16 characters LCD 5Ω 3Ω 10Sec 60Sec 10Min About 300mA	ast Blow
General Display Auto-null threshold Buzzer threshold Fast test Long test With PI and DAR test function Load battery test current Operating temperature	2 lines × 16 characters LCD 5Ω 3Ω 10Sec 60Sec 10Min About 300mA 0°C to 40°C not in full sun	ast Blow
General Display Auto-null threshold Buzzer threshold Fast test Long test With PI and DAR test function Load battery test current Operating temperature Storage temperature	2 lines × 16 characters LCD 5Ω 3Ω 10Sec 60Sec 10Min About 300mA 0°C to 40°C not in full sun -10°C to 50°C	ast Blow
General Display Auto-null threshold Buzzer threshold Fast test Long test With PI and DAR test function Load battery test current Operating temperature Storage temperature Dimensions	2 lines × 16 characters LCD 5Ω 3Ω 10Sec 60Sec 10Min About 300mA 0°C to 40°C not in full sun -10°C to 50°C 250(L) × 190(W) × 110(D)mm	ast Blow
General Display Auto-null threshold Buzzer threshold Fast test Long test With PI and DAR test function Load battery test current Operating temperature Storage temperature Dimensions Weight (battery included)	2 lines × 16 characters LCD 5Ω 3Ω 10Sec 60Sec 10Min About 300mA 0°C to 40°C not in full sun -10°C to 50°C 250(L) × 190(W) × 110(D)mm Approx 1460g.	ast Blow
General Display Auto-null threshold Buzzer threshold Fast test Long test With PI and DAR test function Load battery test current Operating temperature Storage temperature Dimensions Weight (battery included)	2 lines × 16 characters LCD 5Ω 3Ω 10Sec 60Sec 10Min About 300mA 0°C to 40°C not in full sun -10°C to 50°C 250(L) × 190(W) × 110(D)mm Approx 1460g. 1.5V(AA) × 8	ast Blow
Fuse General Display Auto-null threshold Buzzer threshold Fast test Long test With PI and DAR test function Load battery test current Operating temperature Storage temperature Dimensions Weight (battery included) Power source Safety standard	2 lines × 16 characters LCD 5Ω 3Ω 10Sec 60Sec 10Min About 300mA 0°C to 40°C not in full sun -10°C to 50°C 250(L) × 190(W) × 110(D)mm Approx 1460g.	ast Blow