

DIGITAL H.V. INSULATION TESTER

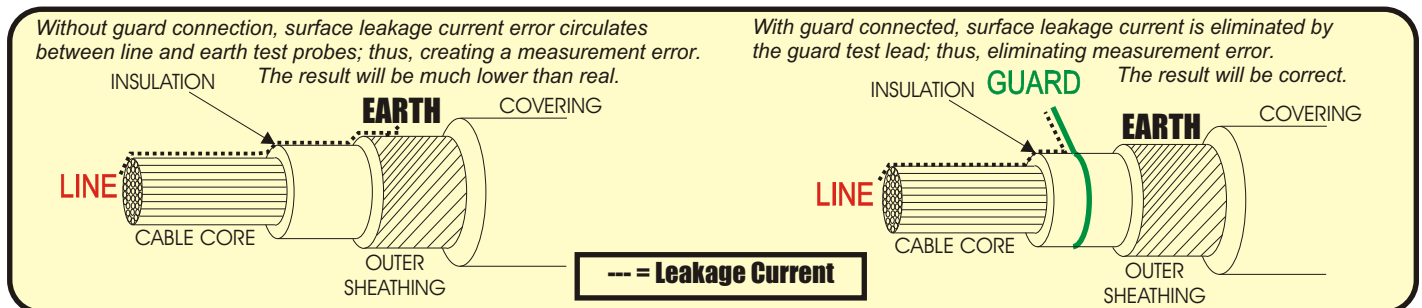


Designed and manufactured to read accurate measurements in harsh environments, the S.E.W. 4103 IN and 4104 IN high voltage insulation testers are tough, rugged meters.

They are supplied in a professional, heavy duty case with high quality, high grade, and color-coded modern "flexible" silicone test leads.

These models have a "built-in" integral guard circuitry to eliminate measurement errors introduced by surface leakage current. They are also supplied, as standard, with color-coded guard test leads.

These high tech quality meters are controlled by the latest CMOS Microprocessors and are the preferred choice among public utilities and professional private industries worldwide.



These instruments are simple-to-use and feature the latest state-of-the-art digital calibration. This latest proprietary technique has no moving parts or variable components; thus, staying reliable and accurate, year after year.

Visual and acoustic indication of voltage is provided. Should AC voltage be detected before testing, the "WARNING - LIVE" message is displayed. A pulsating beep is also activated.

The meters retain their Ultra-Precise Calibration indefinitely. We use EEPROM technology (Electrically Erasable Programmable Read Only Memory) to save our calibration factors. Since there are no potentiometers, dials and knobs, these instruments are designed to be extremely durable. These adjustments better resist mechanical stress.

Color-coded, internationally compatible safety high voltage sockets are used to ensure easy connections to the test leads. As part of our Ener-Save program, these instruments feature "AUTO-OFF" function, which automatically shut down the electronic circuitry and the instrument if left unattended. Smart auto-ranging (5 current ranges x 4 voltage ranges) is controlled by the processor.

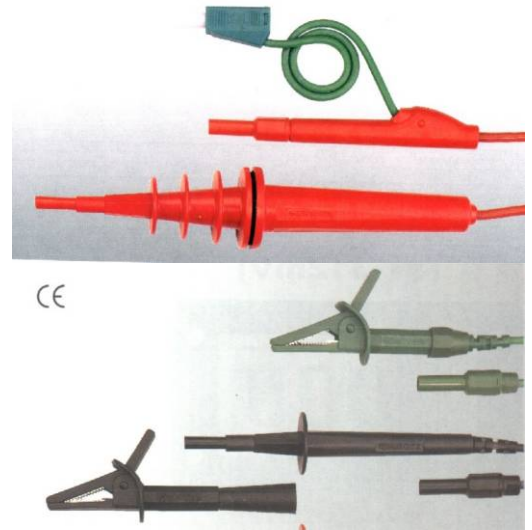
The auto-ranging is transparent to the user. No multiplier and divider are required.

It's so simple. The 6-digit result can be read directly on the display, giving the user the best available user-friendly interface.

Pre-test visual and audible early warning function indicates to test engineers the presence of AC voltage prior to testing. These newly improved instruments are a better investment in instrumentation than ever before.

Discharge is automatically performed, monitored and displayed by the microprocessor. During discharge, a visual and audible annunciator alerts test engineers if dangerous voltage exists.

The 8x1.5v "AA" cell batteries endure extensive long hours of testing. However, the instruments will perform longer and better with alkaline batteries. They can be operated with normal zinc carbon batteries.



All models are supplied with standard accessories, which include a professional heavy duty case, a high quality, high grade, color-coded modern **"flexible" silicone test leads** and other accessories.

TECHNICAL SPECIFICATIONS	4103 IN	4104 IN
Insulation DC Test Voltage Settings	500V	1,000V
	1,000V	2,500V
	2,500V	5,000V
	5,000V	10,000V
Highest Measuring Range (@ 500V)	30GW	-----
Highest Measuring Range (@ 1,000V)	60GW	60GW
Highest Measuring Range (@ 2,500V)	150GW	150GW
Highest Measuring Range (@ 5,000V)	300GW	300GW
Highest Measuring Range (@10,000V)	-----	600GW
Accuracy	5%	5%
Output Power Limit	1W	1W
Optionally Sealed with Gasket	YES	YES
Insulation Resistance between Electrical Circuit and Housing : 2000MW / 2000V	YES	YES
Withstand Voltage : 7000Vac for one Min. between Electrical Circuit and Case	YES	YES
IEC1010 , EN50081, En50082	YES	YES
Operation:-15°C to +55°C up to 90% Rh	YES	YES
Power Source : 8 x "AA" 1.5 V Batteries	YES	YES
Certified Factory Calibration	YES	YES
Instruction Manual	YES	YES
High Voltage Color-Coded Silicone Leads	YES	YES
Color-Coded Alligators for Test Leads	YES	YES
Optional Accessories :		
Ultra High Voltage, Integral Guarded Test Probe and Lead with Coaxial Silicone	YES	YES
Anti-Skid / Vibration-absorbing Feet	YES	YES

PERFORMANCE SELECTOR	4103 IN	4104 IN
10 000v DC Insulation Test Voltage	NO	YES
5,000v DC Insulation Test Voltage	YES	YES
2,500v DC Insulation Test Voltage	YES	YES
1,000v DC Insulation Test Voltage	YES	YES
500v DC Insulation Test Voltage	YES	NO
Auto-Detect from 450Vac prior to testing	YES	YES
Ener-Save Program to save Batteries	YES	YES
Crowbar / Flash-Test Protection	YES	YES
Current Limit / Power Limit	YES	YES
Auto-Discharge Detector / Indicator	YES	YES
Very Low Power Consumption Micro.	YES	YES
Auto-OFF shut down the Tester	YES	YES
Auto-STOP shut down the Test	YES	YES
Auto-STOP Timer shut down the Test	YES	YES
Smart-BEEP - Intelligent Sound	YES	YES
Multi-Voltage in one Instrument	YES	YES
State-of-the-Art Microprocessor Tech.	YES	YES
Digital Calibration (no potentiometers)	YES	YES
Long Calibration Intervals (EEPROM)	YES	YES
CMOS Microprocessor Controlled	YES	YES
Industrial Grade Tactile Keypad	YES	YES
Battery Operated (for intensive use)	YES	YES
Professional Heavy Duty, Industrial Case	YES	YES
On Display, Dynamic Battery Indicator	YES	YES
H.V. - Color-Coded Flexible Silicone Leads	YES	YES
Color-Coded Alligators for Test Leads	YES	YES
Anti-Skid / Vibration-absorbing Feet	YES	YES
Other Option available on Request	YES	YES

Authorized Distributor of SEW in China

Shanghai beihan Electronics Co.,Ltd

TEL: 86-21-63340274 63340254 FAX: 86-21-63340789

<http://www.beha.com.cn>

e-mail: info@beha.com.cn