Let's Create
New Concepts of Instruments

MULTI

Can make safety check before opening the disconnector for the regular inspection

MINI DIGITAL CLAMP TESTER

AC CURRENT/LEAKAGE WITH HI-VOLTAGE PHASE CURRENT DETECTION

MODEL-140HC

*Actual Size

MULTI CLAMP METER !

Current Detection + Load Current Measurement + Leakage Current Measurement

Easy!

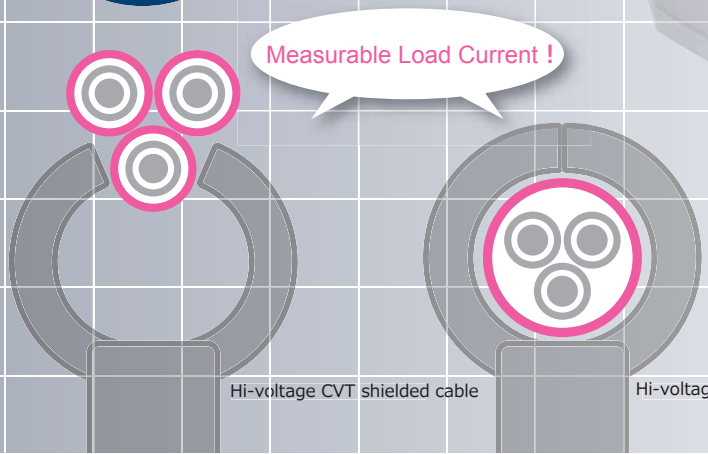
Measurale Load Current at high voltage CV/CVT cables with grounding lines for shield phase.

Epoch-Making!

Can measure phase current of CVT cable just by putting CT head on to the conductors as well as CV cable just by clamping CT to the conductors in a lump.

Low Cost!

Can measure line/leakage current in the same manner as ordinary clamp meters.



Newly Developed For Security of Technical Field Workers

In the annual inspection for power receiving equipment, each test is done after released the disconnector and in the condition of power off but it is very dangerous to release the disconnector under the loading on condition, as it might have caused arc.

There are some equipment without pilot lamp, etc. showing no loading condition and are many fields where the final safety confirmation cannot be done with your own eyes.

Model M-140HC has been developed for security of technicians under such circumstances and can measure loading current at the grounding side of high voltage cable with grounding line for shielding phase.

Also, this model can measure load/leakage current in the same manner as ordinary clamp meters and can be used widely in various measuring fields.

Epoch-making Functions by Original Technique

- ***Can measure load current of CVT cable just by putting CT head without clamping***
- ***Can measure load current of 3 phase CV cable by clamping CT in a lamp.***
- ***Can judge approximate cable length from charging current and diameter (no loading condition)***

SPECIFICATIONS

Measuring Functions	AC Leakage Current AC Line Current Phase Current of High Voltage Circuit(at shielded part with grounding)
Max.Applicable Conductor Diameter	φ40m
Measuring Range	AC Current: 0~320mA/320A(50/60Hz) Phase Current: CVT Cable 0~16A CV Cable 0~48A
Range Switch	mA, A, CVT Phase Current, CV Phase Current
Measuring Method	Dual Integration Mode
Display	Max3200_reading_with_annunciators
Sampling Rage	2 times/sec.
Length Display Switch	At Phase current range, approx. length of high voltage line will be displayed according to phase current value at the time of cutting off load.
Other Functions	Data Hold, Low Battery Indication, Auto Power Off, Over Range Display
Circuit Voltage	Less than AC600V (insulated conductors)
Withstanding Voltage	AC2000V/1 minute between outer case & core
Operating Temperature	0~40ºC, less than 80%RH (w/o condensation)
Power Supply	AAA alkali battery x 3
Dimension/Weight	64(W)x193(H)x24(D)mm, approx. 190gs.
Standard Accessories	Battery x 3 (installed), soft carrying case, instruction manual

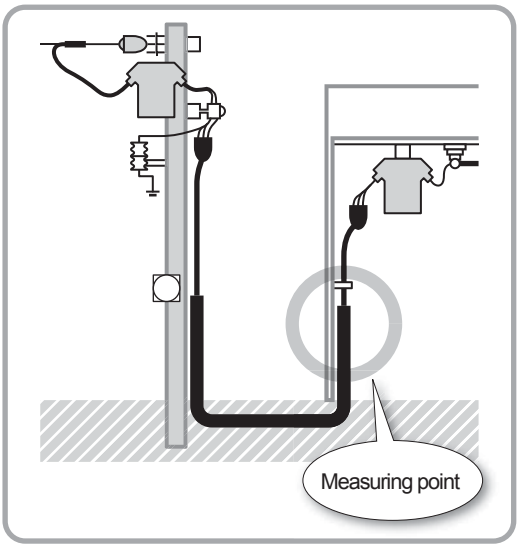
ACCURACY

Range	Min. Resolution	Accuracy
mA	0.01mA	±1.2%rdg±5dgt
A	0.01A	0～200A ±1.2%rdg±5dgt 200～250A ±3%rdg±5dgt 250～300A ±5%rdg±5dgt
Phase Current CVT	Estimated Value	
Phase Current CV	Estimated Value	

Field Measument Examples

	At the time of loading	At the time of no loading
Example 1	13.9A	112.5mA
Example 2	10.6A	131.5mA
Example 3	14.1A	100.5mA

The current values between loading and no loading are largely different and the safety security can be confirmed sufficiently.



*Current of CV/CVT measurement is estimated value. *Do not apply to high voltage cable without shield.

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