MULTI DATA SHEET Ver.1.10

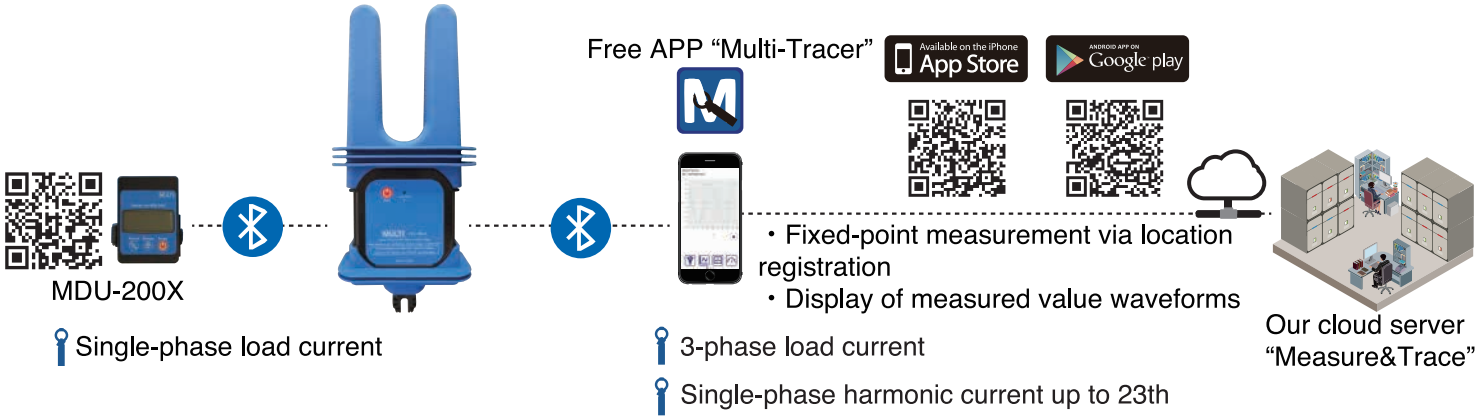
Let's Create New Concepts of Instruments

HCL-36UX Digital current tester for medium voltage

Features

+Measured data can be transferred to the cloud server from the APP.
+Harmonic current measurement is possible on the APP.

This product is fitted with an impact-resistant rubber cover over its plastic casing. While this adds weight, it offers excellent resistance to impacts such as drops.
It can be inserted conductors with a diameter of 55mm and a maximum voltage of AC36kV, covering almost all distribution lines.
Other notable features include a measurement range of up to 3000A for overcurrent measurement and the ability to measure harmonic currents in conjunction with the APP.
Measured data can be uploaded to our cloud server from the APP.



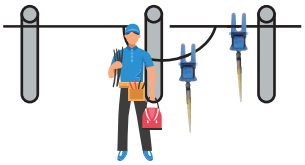
Application Examples

1,Check the overcurrent before live-working



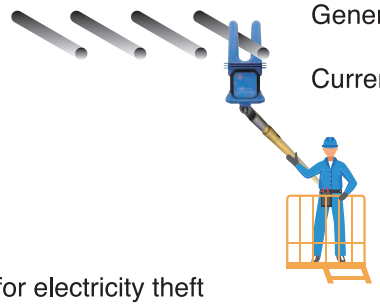
Voltage detector is not able to detect over current(occurrence of heat)=concerns for safety work

2,Energization check under bypass working on the overhead lines



Check the current values before the bypass operation and during operation, confirm that the operation is correct

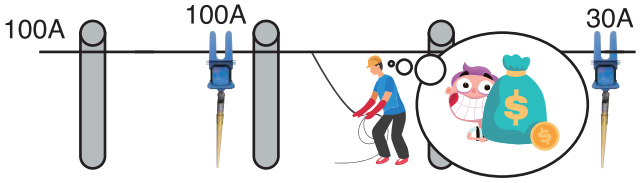
3,Check the imbalance of three phase on the overhead lines



Generally measuring method = check current

Current imbalance=Current phase advance and different current value for each phase

4,Check for electricity theft



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HCL-36UX Digital current tester for medium voltage voltage

Specifications	Performance
Measurement	AC Load current, Harmonics current (in M-tracer) by harmonics current measurement version
Measurable harmonics	Fundamental to 19th(Max display order: 25th)
Range	AC 0.1A~3000A
Range switchover	2range auto(330A/3000A)
Frequency range	50~60Hz
Resolution	0.1A(0-329.9A) / 1A(330-3000A)
Accuracy	±1%rdg±2dgt
A/D conversion	Integral
AC converting	True RMS values by the analog calculation
Sample rate	2 time/1s
Insulation resistance	More than 100MΩ by DC1kV insulation tester (Between CT～Universal connector)
Withstanding voltage	AC43.2kV/5min(Between CT and the connector) / AC 70kV/5min(Between CT and the Hotstick)
Operating circuit voltage	AC36kV(50/60Hz)
Operating temperature	-20～60°C for the lithium battery and 5～45°C for the alkaline battery, RH 20～96%(w/o condensation)
CT type	U-Shape and inside diameter 55.4mm
Power supply	LR6(AA)*4ea
Motion	Power On/Off Other operations: On the APP or Display unit
Low battery indication	By LED flashing
Weight	1230g
Size	400*179.6*90.4mm
Standard	IP54(IEC 60529:1989+AMD1:1999+AMD2:2013) ETSI EN 300 328 V2.2.2 / EN 62479:2010 EN IEC 62311:2020 / EN IEC 61326-1:2021 EN 61000-4-2:2009 / EN IEC 61000-4-3:2020 EN 61010-1:2010/A1:2019/ EN 61010-2-032:2012