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List of Contents

- Introduction
- Capabilities of AMT Relay Tester
- Brief List of Specifications
- Software Specifications
- AMT Accessories
- Contact Information

Introduction

VEBKO, a Leading Innovator in the filed of Relay Testing Solutions and POWER TEST, an evolving solution provider, joined hands recently to Manufacture Next-Gen Multifunction Relay Tester Kits- AMT 205 in India to cater Quality Product locally and fast service support to customers.

VEBKO in a way of Innovation stays ahead of the curve by Investing in Research and Development to provide you the latest advancement in the Electrical Equipment Testing world.

AMT is a Universal Solution for Testing of All Type of Protection Relays and Sub Station Equipment, Transformer, Circuit Breaker, Isolator, Current Transformer, Potential Transformer, Transducer and Energy Meters. AMT is one of its kind and unique solution for Test all substation Equipment.

AMT-205 have Six 32A Current Source (64A in Three Phase mode, 128A in Single Phase mode), In Booster mode, AMT can inject Three phase current up to 70 A and Single Phase current up to 200A up to 300ms.

AMT 205 have Six 300V Voltage Source (1200V in Single Phase mode), current and voltage combination cable, 8 Analog Binary Inputs, 2 DC Analog Current and voltage Inputs with high accuracy, 4 Binary Outputs, DC Voltage source (420V).

AMPro Software is very versatile and with full features, There is no Licence or there is no optional modules, It can be download freely from website and freely upgraded anytime. AMT 205 complied with IEC 61850, can do GOOSE Message for Testing and even Sample Value (SV) Testing for Latest Advanced Protection Relays.

AMT 205 comes with full accessories required for Testing of All Substation Equipment like GPS Antenna, Energy Meter Sensor, Long Cables for Transformer Testing, Heavy duty Clamps and Rugged Transport case. AMT-205 with its robust design ensures its Durability, Longevity, Consistent Performance and user friendly interface for seamless operation.

Capabilities of AMT205

Software Specifications

- 1. Capable of testing a wide range of Static, Electromechanical & Numerical relays
- 2. Capable of reading, editing & creating all XRio & Rio files
- 3. Capable of Transient testing
- 4. Capable of point-to-point or End-To-End testing
- 5. Built-in GPS & Wi-Fi Modules
- 6. Automatically performing tests
- 7. Comprehensive Report of tests
- 8. Capable of automatically filling out the test sheets of different companies

- 9. Compatible with Windows XP, 8, 10, 11
- 10. Android & iOS application for easy operation
- 11. Autosave, redo & undo options
- 12. Manual HTML file in various languages
- 13. Using bootloader technology to update firmware
- 14. A host of training videos

Capable of testing power transformers

- 1. Winding resistance measurement
- 2. No-Load current measurement
- 3. Magnetic balance test
- 4. Tap Changer continuity measurement

- 5. Ratio (TTR) measurement
- 6. Vector group test
- 7. Demagnetizing of transformers
- 8. Leakage reactance measurement

Capable of testing current transformers (CT)

- 1. Excitation (Saturation) KPV test
- 2. Hysteresis curve test
- 3. Ratio using current or voltage measurement
- 4. polarity using current or voltage test

- 5. Phase error measurement
- 6. Winding resistance measurement
- 7. Secondary burden measurement

Capable of testing transducers & Meters

- 1. Highly precise in testing of transducers & meters
- 2. Equipped with a pulse counter to automatically Read energy & to test ENERGY METER

Capable of testing VT/CVT

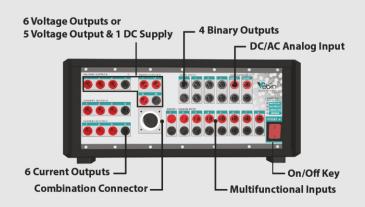
- 1. Ratio & Polarity test
- 2. Winding resistance measurement
- 3. Short Circuit impedance measurement
- 4. Excitation test

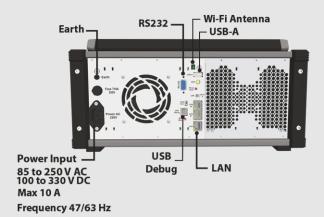
Capable of testing circuit breakers (CB) & sectioners

- 1. Testing of opening & closing time of CB
- 2. Contact resistance measurement
- 3. Minimum voltage test operate CB



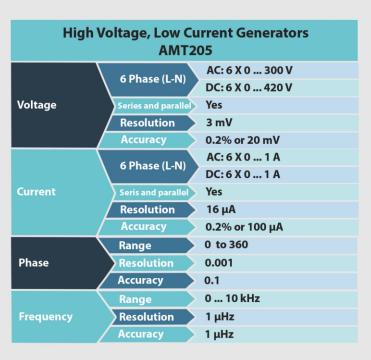
Tester Hardware Features

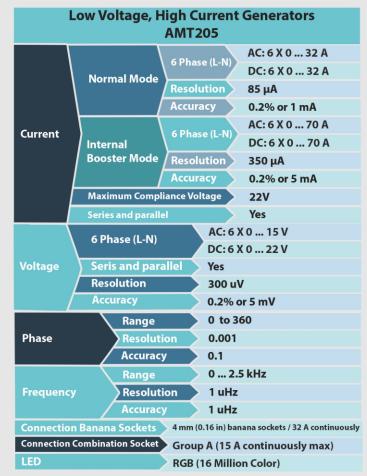




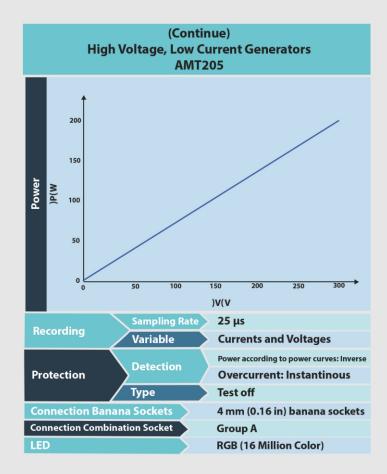
A summary of electrical & physical characteristics of the device

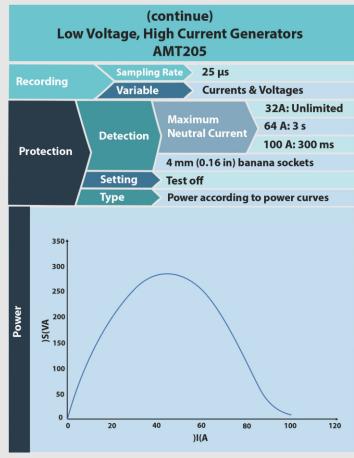
Power Supply AMT205		
Power supply range	85-250 VAC or 100-330VDC	
Input frequency range	0-100 Hz	
Consumption	up to 3 kVA	
Nominal current	3 A at 230 VAC	
Connection	According to IEC60320	

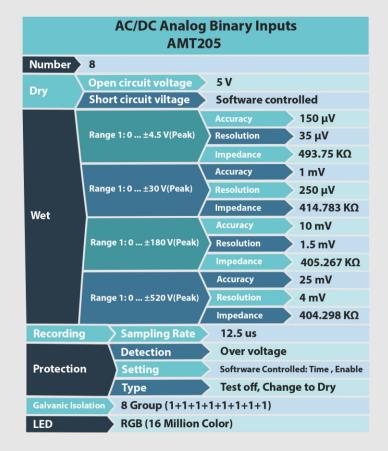


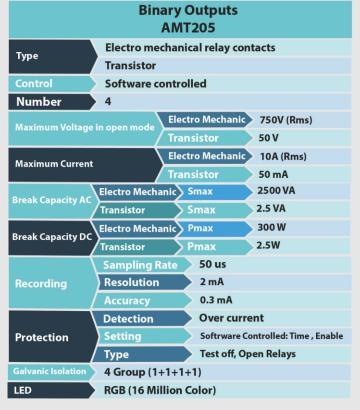






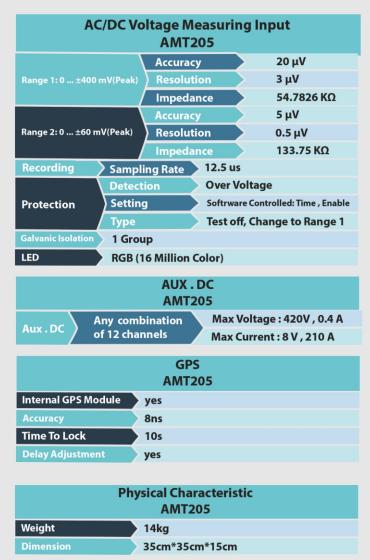








AC/D	C Current Measurin AMT205	g Input
	Accuracy	50 μΑ
Range 2: 0 ± 800 mA	Resolution	6 μΑ
	shunt	1Ω
Range 3: 0 ± 35 mA	Accuracy	2 μΑ
	Resolution	0.3 μΑ
	shunt	22Ω
	Accuracy	10mA
Range 1: 0 ± 10 A	Resolution	1.5mA
	shunt	5mΩ
	Accuracy	30 nA
Range 4: 0 ± 82 μA	Resolution	6 nA
	shunt	3 КΩ
Tyl Galvanic Isolation 1 (Controlled: Time , Enable Change to open circuit
	Goose Message	
IEC 61850	SV, IRGB	
	Combination Cable AMT205	
3 Voltage, 3 current Yes		
6 Current	No	
	PC connection AMT205	
	AWI1205	
Wifi	Yes	
Wifi LAN		etwork

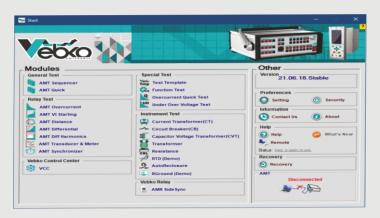




Brief List of Specifications

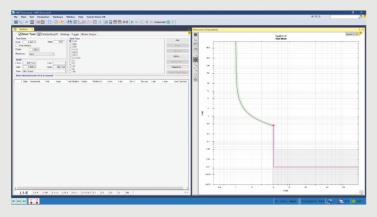
Different Testing Rooms

Home Page of Vebko Software



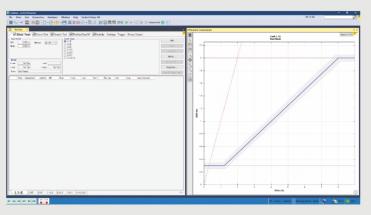
AMT Overcurrent

Used to test current functions like 51/50/67 etc.



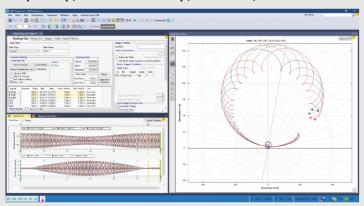
AMT Differential

Used to test differential function



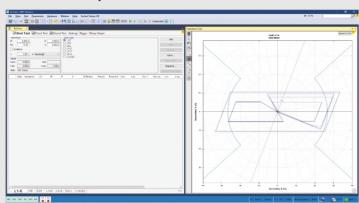
AMT Sequencer

Used to design tests that employ the normal, Quick Step Ramp, Continuous Ramp, Harmonic, Transient



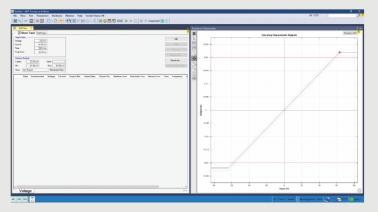
AMT Distance

Used to test Impedance functions

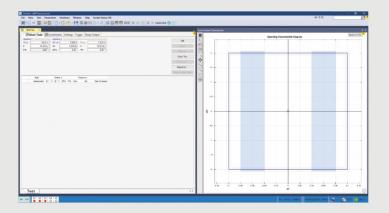


Transducer & Meter

Used to test Transducer & Meter.

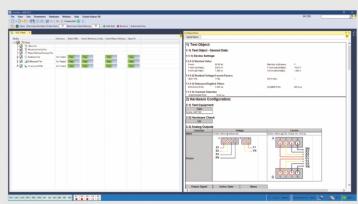


AMT Synchronizer



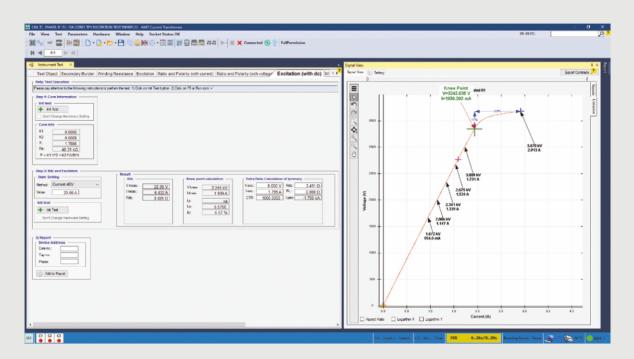
VCC

Used to successively run the tests designed for a relay



Current Transformer

Used to test various classes of CT.



Secondary burden Winding resistance

Phase error

Polarity using current or voltage

Ratio using current or voltage

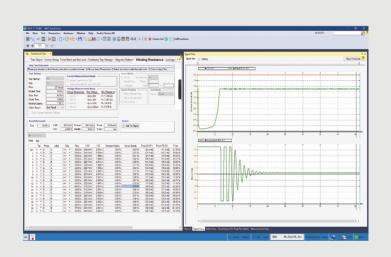
Hysteresis curve

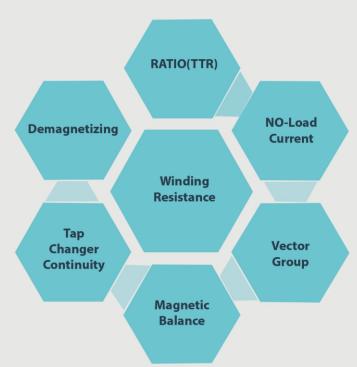
Excitation (Saturation)



Transformer

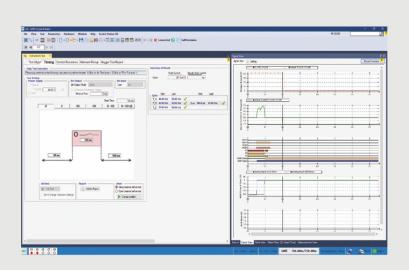
Used to perform different transformer tests

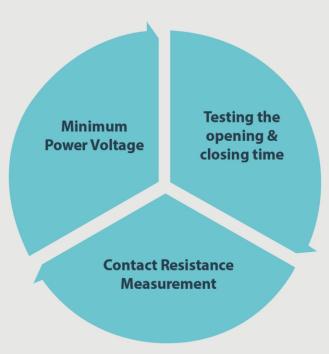




Circuit Breaker

Used to MV & HV circuit breaker tests.





Equipment in Transportation Case





Training and Software

- The AMT205 relay tester is widely recognized as one of the best multifunction devices in the market, and it has no comparable competition.
- Tutorials:
 Our Tutorials are very comprehensive and can be accessed for free on our website/Youtube in the form of videos, in several different languages.

 https://powertest.in/download/tutorials
- You can download all Technical Specifications from the Vebko website, and you can also download the software. Software is always Free and without any License requirement.

 https://powertest.in/download/software



AMT 205 has Global presence, with Distribution worldwide.

We offer 24x7 Support on Whatsapp/Telegram, Ensuring that our Customers can reach us at any time for Assistance.



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