



**Vebko Amirkabir Co.**

**AMT 105  
205**



[www.vebko.org](http://www.vebko.org)

# Relay Tester AMT

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## History of Vebko Amirkabir

Vebko is a science-based company, established in 2014 by order of the science and technology vice-president of Iran to manufacture national relay tester device under the supervision of Amirkabir university of technology. The first industrial product of this company entered the market in 2015 and so far, more than 750 relay tester devices were sold to important industrial centers of electricity , oil and gas as well as some universities.

AMT is a universal solution to testing all types of relays and protective equipment, circuit breakers, thermal cables and sensors as well as power, current, voltage and capacitor-voltage transformers. Because of these features, this device is capable of testing different kinds of relays and protective equipment.

AMT 205 Six 32A current (64A in three-phase mode, 128A in single-phase mode), In less than 300 milliseconds, there is a three-phase current of 70A and a single-phase current of 400A.

six 300V voltage sources (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 (420 V).

AMT 105 Six 32A current (64A in three-phase mode, 128A in single-phase mode), four 150V voltage sources (450V 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 (212 V).

## Certificates & Testimonials

### Certified by

- ▶ Iran Power Grid Management
- ▶ Tavanir Co.
- ▶ Niroo Reaearch institute
- ▶ IMIDRO
- ▶ Thermal Power Plants Holding
- ▶ Sanjesh koosha



Certificate related to calibration and certification of Vebko Community

CE Certificate obtained from IMQ

### AVL List

- ▶ Khorasan Steel Complex Co.
- ▶ Khozestan Oxin Steel Co.
- ▶ Marun Petrochemical Co.
- ▶ Khouzestan Steel Co.
- ▶ Hormozgan Steel Co.
- ▶ Pasdargad Oil Co.
- ▶ Qom Combined Cycle Co.
- ▶ Pars Oil and Gas Co.
- ▶ National Iranian Copper Industry Co.
- ▶ Provider Members of Niroo Research Institute
- ▶ Petroleum Vendor List Iranian
- ▶ Khorasan Petrochemical Co.
- ▶ Bandar Abbas Oil Refining Co.
- ▶ Zarand Iranian Steel Co.

# Relay Tester AMT

## Capabilities of AMT

### 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. Supporting Android & iOS apps
11. Autosave, redo & undo options
12. Manual HTML file in Persian , English , Germany , Spanish
13. Using bootloader technology to update firmware
14. A host of training videos

### Capable of testing power transformers

1. Winding resistance
2. No-Load current
3. Magnetic balance
4. Tap Changer continuity
5. Ratio (TTR)
6. Vector group
7. Demagnetizing
8. Leakage reactance

### Capable of testing current transformers (CT)

1. Excitation (Saturation)
2. Hysteresis curve
3. Ratio using current or voltage
4. polarity using current or voltage
5. Phase error
6. Winding resistance
7. Secondary burden

### Capable of testing transducers & Meters

1. Highly precise in testing transducers & meters
2. Equipped with a pulse counter to automatically read energy

### Capable of testing VT/CVT

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

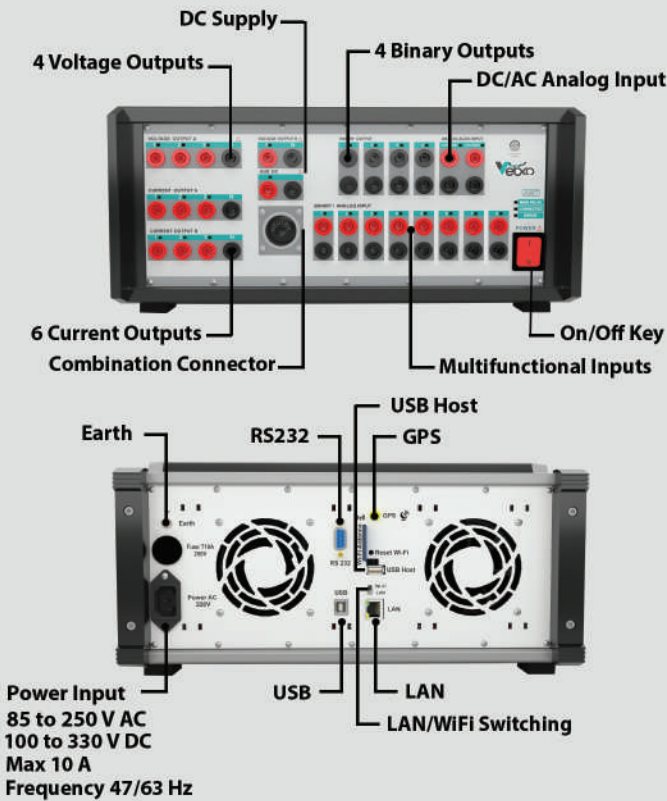
### Capable of testing circuit breakers (CB) & sectioners

1. Testing the opening & closing time
2. Contact resistance
3. Minimum voltage to operate CB test

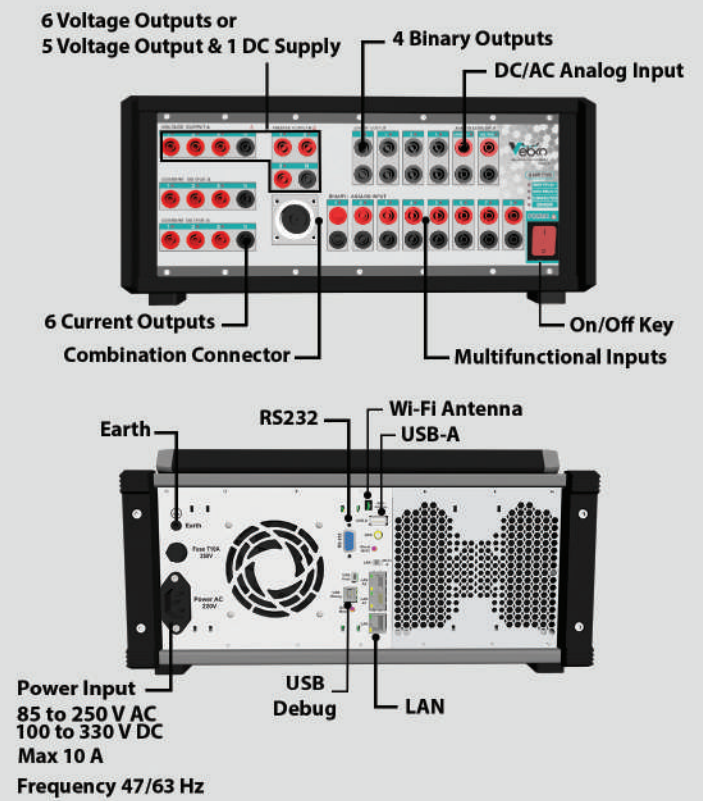
# Relay Tester AMT

## Tester Hardware Features

### AMT105



### AMT205



## A summary of electrical & physical characteristics of the device

### Power Supply AMT105

|                       |                          |
|-----------------------|--------------------------|
| Power supply range    | 85-250 VAC or 100-330VDC |
| Input frequency range | 0-100 Hz                 |
| Consumption           | up to 2 kVA              |
| Nominal current       | 3 A at 230 VAC           |
| Connection            | According to IEC60320    |

### 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    |

### High Voltage, Low Current Generators AMT105

|         |                     |  |
|---------|---------------------|--|
| Voltage | 4 Phase (L-N)       | AC: 4 X 0 ... 150 V<br>DC: 4 X 0 ... 210 V |
|         | Series and parallel | Yes  |
|         | Resolution          | 2 mV                                       |
|         | Accuracy            | 0.2% or 20 mV                              |

|         |    |
|---------|----|
| Current | No |
|---------|----|

### High Voltage, Low Current Generators AMT205

|         |                     |  |
|---------|---------------------|--|
| Voltage | 6 Phase (L-N)       | AC: 6 X 0 ... 300 V<br>DC: 6 X 0 ... 420 V |
|         | Series and parallel | Yes  |
|         | Resolution          | 3 mV                                       |
|         | Accuracy            | 0.2% or 20 mV                              |

|         |                     |  |
|---------|---------------------|--|
| Current | 6 Phase (L-N)       | AC: 6 X 0 ... 1 A<br>DC: 6 X 0 ... 1 A |
|         | Series and parallel | Yes                                    |
|         | Resolution          | 16 $\mu$ A                             |
|         | Accuracy            | 0.2% or 100 $\mu$ A                    |

# Relay Tester AMT

(Continue)  
High Voltage, Low Current Generators  
AMT105

|           |            |              |
|-----------|------------|--------------|
| Phase     | Range      | 0 to 360     |
|           | Resolution | 0.001        |
|           | Accuracy   | 0.1          |
| Frequency | Range      | 0 ... 10 kHz |
|           | Resolution | 1 $\mu$ Hz   |
|           | Accuracy   | 1 $\mu$ Hz   |

|                               |                               |                                 |
|-------------------------------|-------------------------------|---------------------------------|
| Recording                     | Sampling Rate                 | 1.2 ms                          |
|                               | Variable                      | Currents and Voltages           |
| Protection                    | Detection                     | Power according to power curves |
|                               | Type                          | No                              |
| Connection Banana Sockets     | 4 mm (0.16 in) banana sockets |                                 |
| Connection Combination Socket | Group A                       |                                 |
| LED                           | Green (1 Color)               |                                 |

(Continue)  
High Voltage, Low Current Generators  
AMT205

|           |            |              |
|-----------|------------|--------------|
| Phase     | Range      | 0 to 360     |
|           | Resolution | 0.001        |
|           | Accuracy   | 0.1          |
| Frequency | Range      | 0 ... 10 kHz |
|           | Resolution | 1 $\mu$ Hz   |
|           | Accuracy   | 1 $\mu$ Hz   |

|                               |                               |  |
|-------------------------------|-------------------------------|--|
| Recording                     | Sampling Rate                 | 25 $\mu$ s                               |
|                               | Variable                      | Currents and Voltages                    |
| Protection                    | Detection                     | Power according to power curves: Inverse |
|                               | Type                          | Overcurrent: Instantaneous               |
| Connection Banana Sockets     | 4 mm (0.16 in) banana sockets |  |
| Connection Combination Socket | Group A                       |  |
| LED                           | RGB (16 Million Color)        |  |

Low Voltage, High Current Generators  
AMT105

|                     |                            |               |  |
|---------------------|----------------------------|---------------|--|
| Current             | Normal Mode                | 6 Phase (L-N) | AC: 6 X 0 ... 32 A<br>DC: 6 X 0 ... 32 A |
|                     |                            | Resolution    | 85 $\mu$ A                               |
|                     |                            | Accuracy      | 0.2% or 1 mA                             |
|                     | Internal Booster Mode      | No            |  |
|                     | Maximum Compliance Voltage | 12V           |  |
| Series and parallel | Yes                        |               |  |
| Voltage             | No                         |               |  |
| Phase               | Range                      | 0 to 360      |  |
|                     | Resolution                 | 0.001         |  |
|                     | Accuracy                   | 0.1           |  |
| Frequency           | Range                      | 0 ... 2.5 kHz |  |
|                     | Resolution                 | 1 $\mu$ Hz    |  |
|                     | Accuracy                   | 1 $\mu$ Hz    |  |

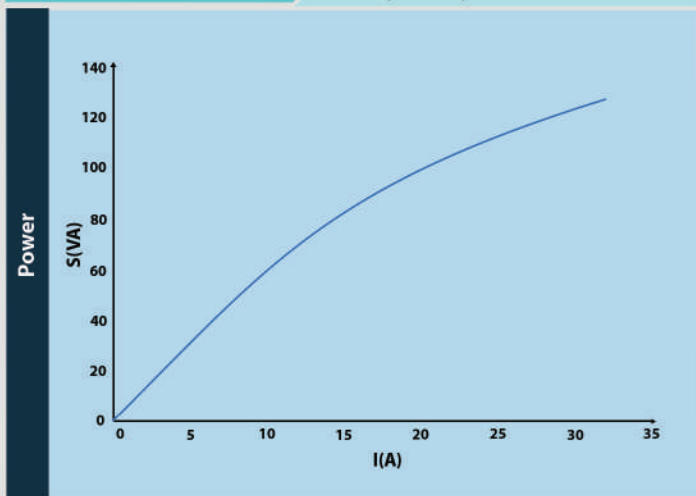
Low Voltage, High Current Generators  
AMT205

|                            |                       |  |  |
|----------------------------|-----------------------|--|--|
| Current                    | Normal Mode           | 6 Phase (L-N)                            | AC: 6 X 0 ... 32 A<br>DC: 6 X 0 ... 32 A |
|                            |                       | Resolution                               | 85 $\mu$ A                               |
|                            |                       | Accuracy                                 | 0.2% or 1 mA                             |
|                            | Internal Booster Mode | 6 Phase (L-N)                            | AC: 6 X 0 ... 70 A<br>DC: 6 X 0 ... 70 A |
|                            | Resolution            | 350 $\mu$ A                              |  |
| Accuracy                   | 0.2% or 5 mA          |  |  |
| Maximum Compliance Voltage | 22V                   |  |  |
| Series and parallel        | Yes                   |  |  |
| Voltage                    | 6 Phase (L-N)         | AC: 6 X 0 ... 15 V<br>DC: 6 X 0 ... 22 V |  |
|                            | Series and parallel   | Yes                                      |  |
|                            | Resolution            | 300 $\mu$ V                              |  |
|                            | Accuracy              | 0.2% or 5 mV                             |  |
| Phase                      | Range                 | 0 to 360                                 |  |
|                            | Resolution            | 0.001                                    |  |
|                            | Accuracy              | 0.1                                      |  |
| Frequency                  | Range                 | 0 ... 2.5 kHz                            |  |
|                            | Resolution            | 1 $\mu$ Hz                               |  |
|                            | Accuracy              | 1 $\mu$ Hz                               |  |

# Relay Tester AMT

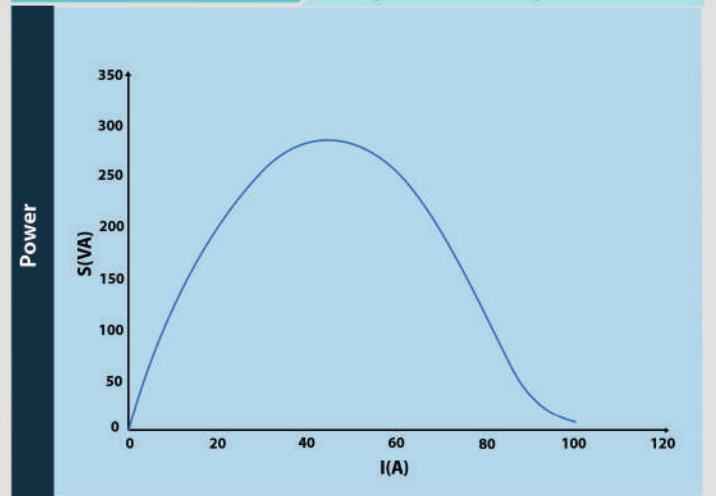
## (continue) Low Voltage, High Current Generators AMT105

|                               |   |                                 |  |
|-------------------------------|---|---------------------------------|--|
| Recording                     | Sampling Rate                                     | 1.2 ms                          |  |
|                               | Variable  | Currents                        |  |
| Protection                    | Detection   | Maximum Neutral Current         | 32A: Unlimited<br>64 A: 3 s<br>100 A: 300 ms |
|                               |   | Setting                         | No   |
|                               |   | Type                            | Test off                                     |
|                               | Setting   | Power according to power curves |  |
| Connection Banana Sockets     | 4 mm (0.16 in) banana sockets / 32 A continuously |                                 |  |
| Connection Combination Socket | Group A (15 A continuously max)                   |                                 |  |
| LED                           | Green (1 Color)                                   |                                 |  |



## (continue) Low Voltage, High Current Generators AMT205

|                               |   |                                 |  |
|-------------------------------|---|---------------------------------|--|
| Recording                     | Sampling Rate                                     | 25 $\mu$ s                      |  |
|                               | Variable  | Currents & Voltages             |  |
| Protection                    | Detection   | Maximum Neutral Current         | 32A: Unlimited<br>64 A: 3 s<br>100 A: 300 ms |
|                               |   | Setting                         | 4 mm (0.16 in) banana sockets                |
|                               |   | Type                            | Test off                                     |
|                               | Setting   | Power according to power curves |  |
| Connection Banana Sockets     | 4 mm (0.16 in) banana sockets / 32 A continuously |                                 |  |
| Connection Combination Socket | Group A (15 A continuously max)                   |                                 |  |
| LED                           | RGB (16 Million Color)                            |                                 |  |



## AC/DC Analog Binary Inputs AMT105

|                    |                                  |                                   |                    |
|--------------------|----------------------------------|-----------------------------------|--------------------|
| Number             | 8                                |                                   |                    |
| Dry                | Open circuit voltage             | 5 V                               |                    |
|                    | Short circuit voltage            | Software controlled               |                    |
| Wet                | Range 1: 0 ... $\pm 4.5$ V(Peak) | Accuracy                          | 150 $\mu$ V        |
|                    |                                  | Resolution                        | 35 $\mu$ V         |
|                    |                                  | Impedance                         | 493.75 K $\Omega$  |
|                    | Range 1: 0 ... $\pm 60$ V(Peak)  | Accuracy                          | 1 mV               |
|                    |                                  | Resolution                        | 250 $\mu$ V        |
|                    |                                  | Impedance                         | 414.783 K $\Omega$ |
|                    | Range 1: 0 ... $\pm 180$ V(Peak) | Accuracy                          | 10 mV              |
|                    |                                  | Resolution                        | 1.5 mV             |
|                    |                                  | Impedance                         | 405.267 K $\Omega$ |
| No                 |                                  |                                   |                    |
| Recording          | Sampling Rate                    | 400 us                            |                    |
| Protection         | Detection                        | Over voltage                      |                    |
|                    | Setting                          | Software Controlled: Time, Enable |                    |
|                    | Type                             | Test off, Change to Dry           |                    |
| Galvanic Isolation | 8 Group (1+1+1+1+1+1+1+1)        |                                   |                    |
| LED                | Green (1 Color)                  |                                   |                    |

## AC/DC Analog Binary Inputs AMT205

|                                  |                                  |                                   |                    |
|----------------------------------|----------------------------------|-----------------------------------|--------------------|
| Number                           | 8                                |                                   |                    |
| Dry                              | Open circuit voltage             | 5 V                               |                    |
|                                  | Short circuit voltage            | Software controlled               |                    |
| Wet                              | Range 1: 0 ... $\pm 4.5$ V(Peak) | Accuracy                          | 150 $\mu$ V        |
|                                  |                                  | Resolution                        | 35 $\mu$ V         |
|                                  |                                  | Impedance                         | 493.75 K $\Omega$  |
|                                  | Range 1: 0 ... $\pm 30$ V(Peak)  | Accuracy                          | 1 mV               |
|                                  |                                  | Resolution                        | 250 $\mu$ V        |
|                                  |                                  | Impedance                         | 414.783 K $\Omega$ |
|                                  | Range 1: 0 ... $\pm 180$ V(Peak) | Accuracy                          | 10 mV              |
|                                  |                                  | Resolution                        | 1.5 mV             |
|                                  |                                  | Impedance                         | 405.267 K $\Omega$ |
| Range 1: 0 ... $\pm 520$ V(Peak) | Accuracy                         | 25 mV                             |                    |
|                                  | Resolution                       | 4 mV                              |                    |
|                                  | Impedance                        | 404.298 K $\Omega$                |                    |
| Recording                        | Sampling Rate                    | 12.5 us                           |                    |
| Protection                       | Detection                        | Over voltage                      |                    |
|                                  | Setting                          | Software Controlled: Time, Enable |                    |
|                                  | Type                             | Test off, Change to Dry           |                    |
| Galvanic Isolation               | 8 Group (1+1+1+1+1+1+1+1)        |                                   |                    |
| LED                              | RGB (16 Million Color)           |                                   |                    |

# Relay Tester AMT

## Binary Outputs AMT105

|                              |                                   |              |
|------------------------------|-----------------------------------|--------------|
| Type                         | Electro mechanical relay contacts |              |
| Control                      | Software controlled               |              |
| Number                       | 4                                 |              |
| Maximum Voltage in open mode | Electro Mechanic                  | 750V (Rms)   |
|                              | No                                |              |
| Maximum Current              | Electro Mechanic                  | 10A (Rms)    |
|                              | No                                |              |
| Break Capacity AC            | Electro Mechanic                  | Smax 2500 VA |
|                              | No                                |              |
| Break Capacity DC            | Electro Mechanic                  | Pmax 300 W   |
|                              | No                                |              |
| Recording                    | No                                |              |
| Protection                   | No                                |              |
| Galvanic Isolation           | 4 Group (1+1+1+1)                 |              |
| LED                          | Green (1 Color)                   |              |

## Binary Outputs AMT205

|                              |                                   |                                    |
|------------------------------|-----------------------------------|------------------------------------|
| Type                         | Electro mechanical relay contacts |                                    |
|                              | Transistor                        |                                    |
| Control                      | Software controlled               |                                    |
| Number                       | 4                                 |                                    |
| Maximum Voltage in open mode | Electro Mechanic                  | 750V (Rms)                         |
|                              | Transistor                        | 50 V                               |
| Maximum Current              | Electro Mechanic                  | 10A (Rms)                          |
|                              | Transistor                        | 50 mA                              |
| Break Capacity AC            | Electro Mechanic                  | Smax 2500 VA                       |
|                              | Transistor                        | Smax 2.5 VA                        |
| Break Capacity DC            | Electro Mechanic                  | Pmax 300 W                         |
|                              | Transistor                        | Pmax 2.5W                          |
| Recording                    | Sampling Rate                     | 50 us                              |
|                              | Resolution                        | 2 mA                               |
|                              | Accuracy                          | 0.3 mA                             |
| Protection                   | Detection                         | Over current                       |
|                              | Setting                           | Software Controlled: Time , Enable |
|                              | Type                              | Test off, Open Relays              |
| Galvanic Isolation           | 4 Group (1+1+1+1)                 |                                    |
| LED                          | RGB (16 Million Color)            |                                    |

## AC/DC Current Measuring Input AMT105

|                         |                 |                                    |
|-------------------------|-----------------|------------------------------------|
| Range 2: 0 ... ± 800 mA | Accuracy        | 50 µA                              |
|                         | Resolution      | 6 µA                               |
|                         | shunt           | 1Ω                                 |
| Range 3: 0 ... ± 35 mA  | No              |                                    |
| Range 1: 0 ... ± 10 A   | No              |                                    |
| Range 4: 0 ... ± 250 µA | No              |                                    |
| Recording               | Sampling Rate   | 400 us                             |
|                         | Detection       | Over current                       |
| Protection              | Setting         | Software Controlled: Time , Enable |
|                         | Type            | Test off                           |
| Galvanic Isolation      | 1 Group         |                                    |
| LED                     | Green (1 Color) |                                    |

## AC/DC Current Measuring Input AMT205

|                         |                        |                                    |
|-------------------------|------------------------|------------------------------------|
| Range 2: 0 ... ± 800 mA | Accuracy               | 50 µA                              |
|                         | Resolution             | 6 µA                               |
|                         | shunt                  | 1Ω                                 |
| Range 3: 0 ... ± 35 mA  | Accuracy               | 2 µA                               |
|                         | Resolution             | 0.3 µA                             |
|                         | shunt                  | 22Ω                                |
| Range 1: 0 ... ± 10 A   | Accuracy               | 10mA                               |
|                         | Resolution             | 1.5mA                              |
|                         | shunt                  | 5mΩ                                |
| Range 4: 0 ... ± 82 µA  | Accuracy               | 30 nA                              |
|                         | Resolution             | 6 nA                               |
|                         | shunt                  | 3 KΩ                               |
| Recording               | Sampling Rate          | 12.5 us                            |
|                         | Detection              | Over current                       |
| Protection              | Setting                | Software Controlled: Time , Enable |
|                         | Type                   | Test off, Change to open circuit   |
| Galvanic Isolation      | 1 Group                |                                    |
| LED                     | RGB (16 Million Color) |                                    |

# Relay Tester AMT

## AC/DC Voltage Measuring Input AMT105

|                              |                 |                                    |
|------------------------------|-----------------|------------------------------------|
| Range 1: 0 ... ±400 mV(Peak) | Accuracy        | 20 μV                              |
|                              | Resolution      | 3 μV                               |
|                              | Impedance       | 54.7826 KΩ                         |
| Range 2: 0 ... ±60 mV(Peak)  | No              |                                    |
| Recording                    | Sampling Rate   | 400 us                             |
| Protection                   | Detection       | Over Voltage                       |
|                              | Setting         | Software Controlled: Time , Enable |
|                              | Type            | Test off                           |
| Galvanic Isolation           | 1 Group         |                                    |
| LED                          | Green (1 Color) |                                    |

## AUX . DC AMT105

|          |         |             |
|----------|---------|-------------|
| Aux . DC | Voltage | 0 ... 212 V |
|          | Current | 0 ... 0.4 A |

## GPS AMT105

|                     |     |
|---------------------|-----|
| Internal GPS Module | yes |
| Accuracy            | 8ns |
| Time To Lock        | 10s |
| Delay Adjustment    | yes |

## Protocol AMT105

|           |                     |
|-----------|---------------------|
| IEC 61850 | Goose Message<br>SV |
|-----------|---------------------|

## Combination Cable AMT105

|                      |     |
|----------------------|-----|
| 3 Voltage, 3 current | Yes |
| 6 Current            | Yes |

## PC connection AMT105

|                      |        |
|----------------------|--------|
| WiFi                 | Yes    |
| LAN                  | 1 Port |
| Programming USB port | No     |

## Physical Characteristic AMT105

|           |                |
|-----------|----------------|
| Weight    | 13kg           |
| Dimension | 35cm*35cm*15cm |

## AC/DC Voltage Measuring Input AMT205

|                              |                        |                                    |
|------------------------------|------------------------|------------------------------------|
| Range 1: 0 ... ±400 mV(Peak) | Accuracy               | 20 μV                              |
|                              | Resolution             | 3 μV                               |
|                              | Impedance              | 54.7826 KΩ                         |
| Range 2: 0 ... ±60 mV(Peak)  | Accuracy               | 5 μV                               |
|                              | Resolution             | 0.5 μV                             |
|                              | Impedance              | 133.75 KΩ                          |
| Recording                    | Sampling Rate          | 12.5 us                            |
| Protection                   | Detection              | Over Voltage                       |
|                              | Setting                | Software Controlled: Time , Enable |
|                              | Type                   | Test off, Change to Range 1        |
| Galvanic Isolation           | 1 Group                |                                    |
| LED                          | RGB (16 Million Color) |                                    |

## AUX . DC AMT205

|          |                                |   |
|----------|--------------------------------|---|
| Aux . DC | Any combination of 12 channels | Max Voltage : 1200 V , 0.4 A<br>Max Current : 8 V , 210 A |
|----------|--------------------------------|---|

## GPS AMT205

|                     |     |
|---------------------|-----|
| Internal GPS Module | yes |
| Accuracy            | 8ns |
| Time To Lock        | 10s |
| Delay Adjustment    | yes |

## Protocol AMT205

|           |                     |
|-----------|---------------------|
| IEC 61850 | Goose Message<br>SV |
|-----------|---------------------|

## Combination Cable AMT205

|                      |     |
|----------------------|-----|
| 3 Voltage, 3 current | Yes |
| 6 Current            | No  |

## PC connection AMT205

|                      |                                |
|----------------------|--------------------------------|
| WiFi                 | Yes                            |
| LAN                  | 3 Port, 2 port in wifi Network |
| Programming USB port | Yes                            |

## Physical Characteristic AMT205

|           |                |
|-----------|----------------|
| Weight    | 14kg           |
| Dimension | 35cm*35cm*15cm |

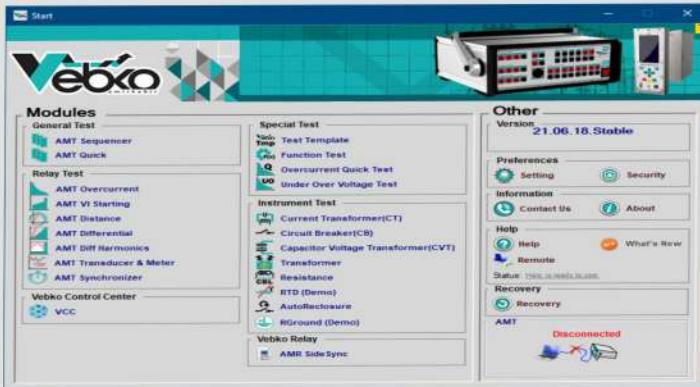


# Relay Tester AMT

## Brief List of Specifications

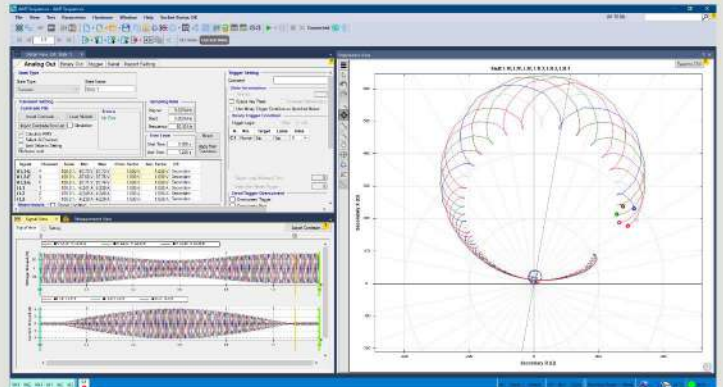
### Different Testing Rooms

Home Page of Vebko Software



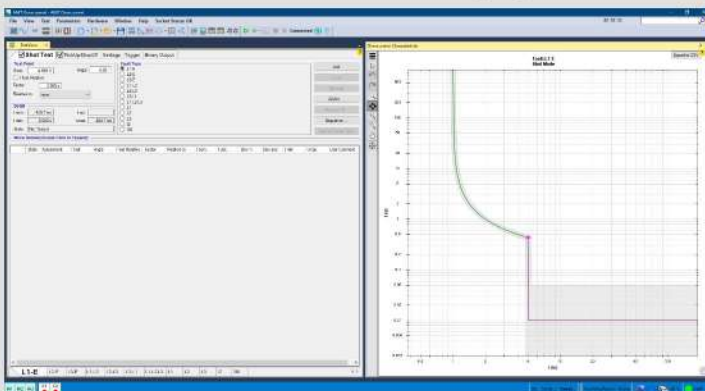
### AMT Sequencer

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



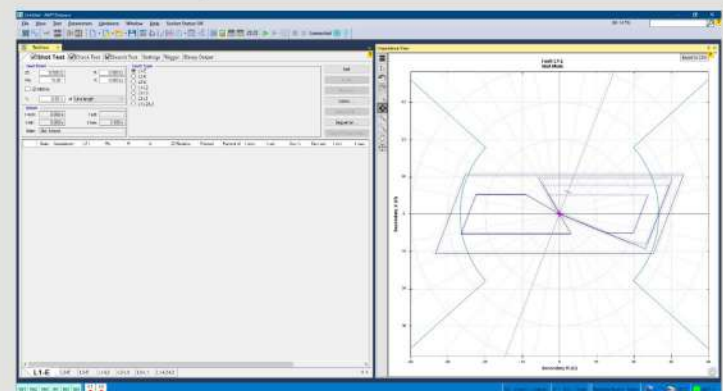
### AMT Overcurrent

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



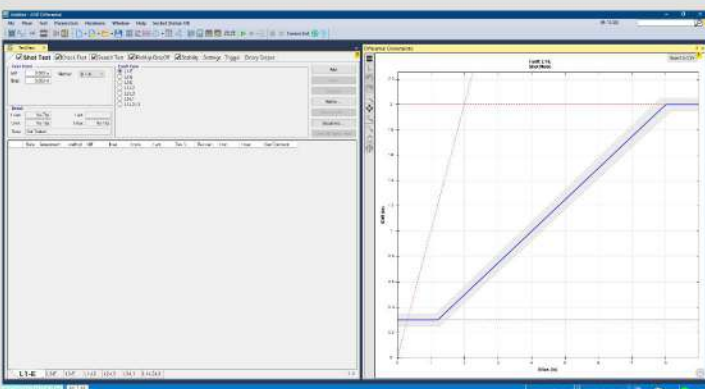
### AMT Distance

Used to test Impedance functions



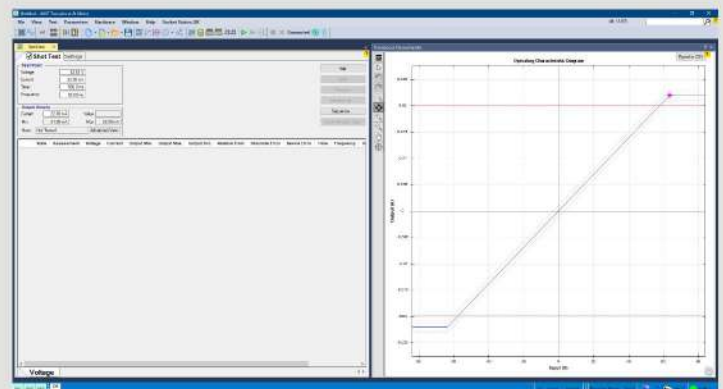
### AMT Differential

Used to test differential function



### Transducer & Meter

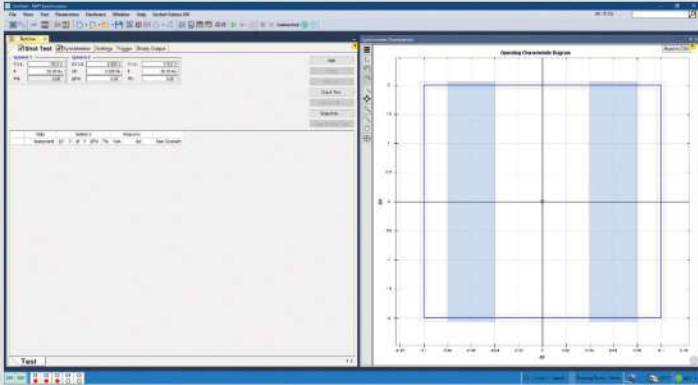
Used to test Transducer & Meter.



# Relay Tester AMT

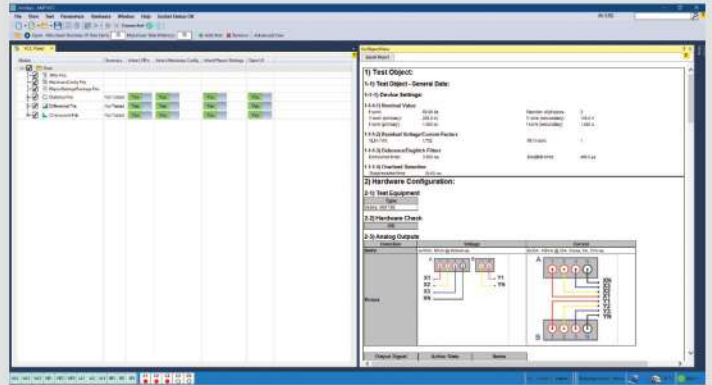
## AMT Synchronizer

Used to test synchronizer relay



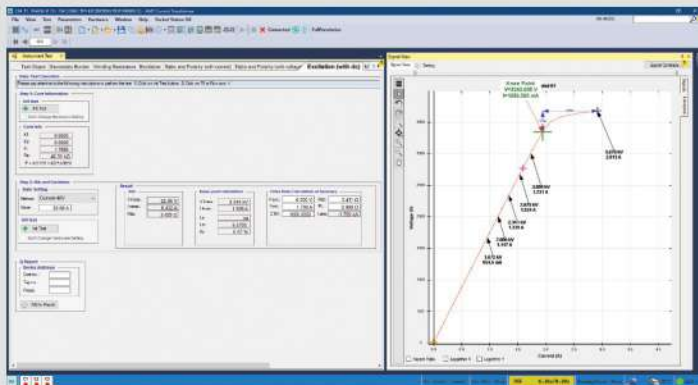
## VCC

Used to successively run the tests designed for a relay



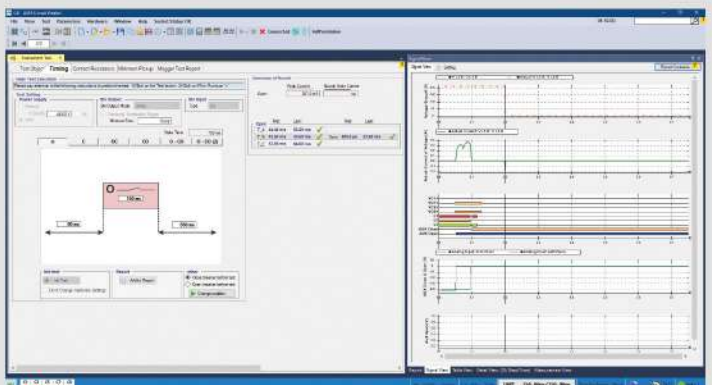
## Current Transformer

Used to test various classes of CT.



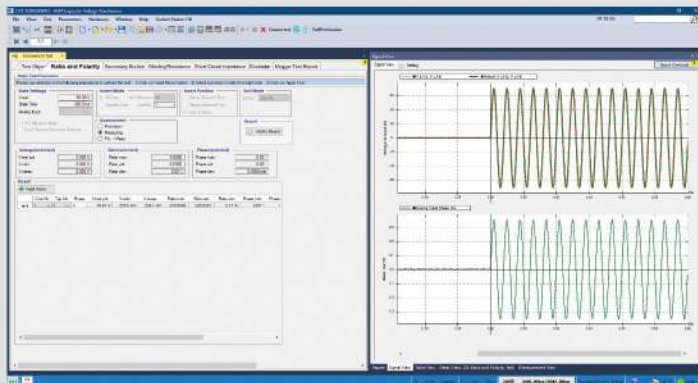
## Circuit Breaker

Used to MV & HV circuit breaker tests.



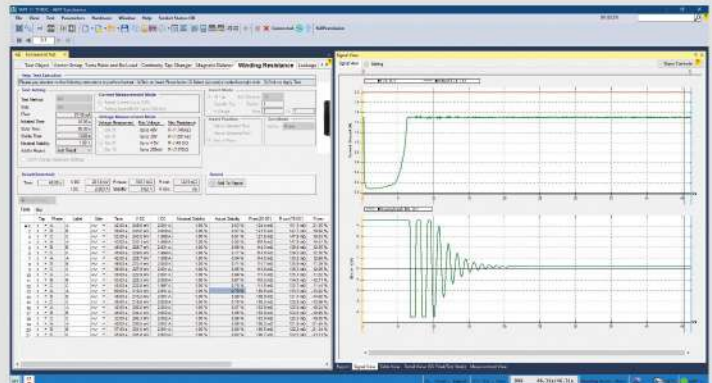
## CVT

Used to test various classes of CVT



## Transformer

Used to perform different transformer tests


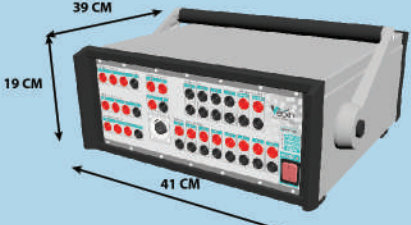
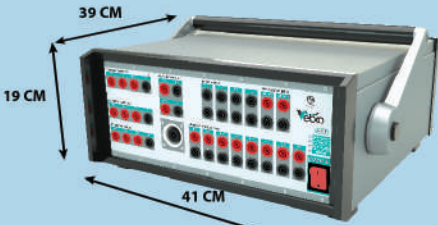














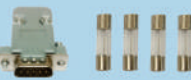












# Relay Tester AMT

## Vendor List

| Line | Company names                              | National ID | Field       | Domestic/Foreign | Nationality | Specifications   | Product Category | Province | City   | Address  | Phone         | Fax           | Update Date | Description   |
|------|--|-------------|-------------|------------------|-------------|--|------------------|----------|--------|--|---------------|---------------|-------------|---------------|
| 656  | Vebko Amirkabir remonitoring power quality | 14004384990 | Manufacture | Domestic         | Iran        | Relay protection tester AMT & Multifunction protection relay AMR | 67               | Qazvin   | Qazvin | 5th Floor, Building No 76, Parastar Boulevard, Norouzian Boulevard | +982833692361 | +982833632038 | 2017/11/05  | Self Declared |

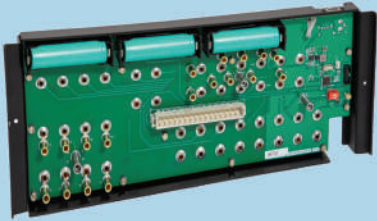
## Equipment in Transportation Case

|   |  |   |   |   |   |  |  |         |    |         |   |         |   |         |   |
|---|--|---|---|---|---|--|--|---------|----|---------|---|---------|---|---------|---|
|    |  | <br>Weight : 12.5 Kg |   |   | <br>Weight : 12.5 Kg |  |  |         |    |         |   |         |   |         |   |
| Tester Transportation Case  |  | AMT205 Relay Tester   |   |   | AMT105 Relay Tester   |  |  |         |    |         |   |         |   |         |   |
| AMT1001   | Qty : 1  | AMT1050   |   |   | 1   | AMT1003  |  | 1       |    |         |   |         |   |         |   |
|   |        |                     |         |     |                      |  |  |         |    |         |   |         |   |         |   |
| Transformer Test Clamp  | clamp cover  | Combination Cable   | Ethernet Cable  | Power Cable   | Crocodile Clips to Contacting Pins or Screw Bolts   | Transformer Test Cable   | Shoulder Bag   |         |    |         |   |         |   |         |   |
| AMT1016   | 8  | AMT1028   | 8   | AMT1004   | 1   | AMT1007  | 1  | AMT1006 | 1  | AMT1012 | 4 | AMT1015 | 3 | AMT1002 | 1 |
|  |       |                    |       |  |                    |  |  |         |    |         |   |         |   |         |   |
| Capacitor Box   | Flexible test load adaptive with retractable sleeves 4 mm safety plugs 30 cm long , 32 A | Programming USB cable   | Flexible test load adaptive with retractable sleeves 4 mm safety plugs 10 cm long , 320 A | Cable ties (Velcro fastener) Black , 150 mm long                                      | Load Cable  |  |  |         |    |         |   |         |   |         |   |
| AMT1019   | 1  | AMT1011   | 4   | AMT1026   | 1   | AMT1014  | 4  | AMT1013 | 5  | AMT1005 | 5 |         |   |         |   |
|  |       |                    |        |  |                    |  |  |         |    |         |   |         |   |         |   |
| Serial Dongle   | Flexible terminal adapters 2.5 cm , 4 mm , 32 A  | Cable Lug Adapter 4 mm  | Ground Cable  | Optical sensor for testing meter  | GPS Antenna   |  |  |         |    |         |   |         |   |         |   |
| AMT1020   | 1  | AMT1009   | 12  | AMT1010   | 12  | AMT1008  | 1  | AMT1018 | 1  | AMT1017 | 1 |         |   |         |   |
|  |       |                    |      |  |   |  |  |         |    |         |   |         |   |         |   |
| Backpack Trans  | Luggage Cover  | Screwdriver   | Bag A   | Trans Cable Holder  |   |  |  |         |    |         |   |         |   |         |   |
| AMT1023   | 1  | AMT1024   | 1   | AMT1022   | 1   | AMT1025  | 1  | AMT1021 | 16 |         |   |         |   |         |   |

# Relay Tester AMT

## Accessories

(\*) : Needs Base Module



**Base Module**

Bass Module

**AMT1030**

(\*)



CB Test Module

**AMT1031**

(\*)



CT And CVT Test Module

**AMT1033**

(\*)



Transformer Test Module

**AMT1032**

(\*)



Relays Tester And High Voltage Module

**AMT1039**

(\*)



Calibration Module

**AMT1035**



10 Milli OHM Shunt Module

**AMT1038**



High Voltage Linear Regulator Module

**AMT1046**



Insulation Resistance Measuring Module

**AMT1040**



Arc-Flash Module

**AMT1051**



Electronic Relays Test Module

**AMT1034**

# Relay Tester AMT

## List of Clients

| Co. Name  | 105 | 205 | Co. Name  | 105 | 205 | Co. Name  | 105 | 205                | Co. Name                                     | 105 | 205 |
|---|-----|-----|---|-----|-----|---|-----|--------------------|--|-----|-----|
| <b>Specialized Holding</b>                        | 4   | 0   | Shirvan Combined Cycle Power Plant                          | 1   | 0   | Fajr Petrochemical                                | 2   | 0                  | Hana Energy Iranian Company                  | 1   | 0   |
| Tavanir   | 3   | 0   | Parand Combined Cycle Power Plant                           | 1   | 0   | Fresa Chemistry                                   | 1   | 0                  | Mohandesin Bakhtar Moshaver                  | 1   | 0   |
| Iran Grid Management                              | 1   | 0   | Shahid Kaveh Combined Cycle Power Plant                     | 1   | 0   | Bushehr Petrochemical                             | 1   | 0                  | Nojan Niroom Novin Iranian                   | 1   | 0   |
| <b>Consulting</b>                                 | 4   | 0   | Sardasht Hydropower Plant                                   | 1   | 0   | Mahabad Petrochemical                             | 1   | 0                  | Asa Electrical Engineering                   | 1   | 0   |
| Hoodad Niroom Pars                                | 1   | 0   | Montazer Ghaem Power Plant                                  | 1   | 0   | Nouri Petrochemical                               | 1   | 0                  | Atrak Sazeh Pars Gostar                      | 1   | 0   |
| Moshanir  | 1   | 0   | Kashan Combined Cycle Power Plant                           | 1   | 0   | Damavand Petrochemical                            | 1   | 0                  | Niroom Pardaz Energy Co                      | 1   | 0   |
| Monanco   | 1   | 0   | Khorramshahr Combined Cycle Power Plant                     | 1   | 0   | Isfahan Petrochemical                             | 1   | 0                  | Altair Systems                               | 1   | 0   |
| Noavaran Arman Pouya                              | 1   | 0   | Roodshour Power Plant                                       | 1   | 0   | Bakhtar Petrochemical                             | 1   | 0                  | Amin Niroom Aria Koosha Engineering (Manaco) | 1   | 0   |
| <b>Regional Electric</b>                          | 19  | 0   | Dez Dam and Power Plant Production and Operation            | 1   | 0   | Pars Petrochemical                                | 2   | 0                  | Andia Solar Industry                         | 1   | 0   |
| Khorasan Regional Electricity                     | 6   | 0   | <b>Regional electrical company for repairs</b>              | 133 | 0   | Arvand Petrochemical                              | 1   | 0                  | CV Kiat Energi (IDN)                         | 1   | 0   |
| Fars Regional Electricity                         | 1   | 0   | Azarbaijan Elictrical Power Maintenance                     | 3   | 0   | Shazand Petrochemical                             | 1   | 0                  | Públio Bernardes Severino(BRA)               | 2   | 0   |
| Azerbaijan Regional Electricity                   | 2   | 0   | Khuzestan Power Transmission Maintenance (TANANIR)          | 10  | 0   | Polypropylene Jam                                 | 1   | 0                  | Mr.Made Arimbawa                             | 2   | 0   |
| Kerman Regional Electric                          | 1   | 0   | Bootia Niroom   | 9   | 0   | Kermanshah Polymer                                | 1   | 0                  | <b>Power Substation Contractor</b>           | 68  | 0   |
| Bakhtar Regional Electric                         | 1   | 0   | Akhtar Bargh  | 13  | 0   | Kavian Petrochemical                              | 1   | 0                  | Sanat Niroom Arka                            | 1   | 0   |
| Semnan Regional Electric                          | 2   | 0   | Gilan Land Electrical Engineers                             | 3   | 0   | Masjed Soleyman Petrochemical Industries Co       | 1   | 0                  | Nikan Andisheh Bootiya                       | 1   | 0   |
| Hormozgan Regional Electric                       | 1   | 0   | Tanesh  | 6   | 0   | Polynar Corporation                               | 1   | 0                  | China Gzuba Group Limited CGC                | 1   | 0   |
| Zanjan Regional Electric                          | 1   | 0   | Peyman West   | 11  | 0   | Kimia Pars Middle East Petrochemical              | 1   | 0                  | Behin Electric Is A New Phenomenon           | 1   | 0   |
| Mazandaran Regional Electric                      | 1   | 0   | Tehran Power Transmission Maintenance Engineering (METANIR) | 22  | 0   | Petro Kimia Ibn Sina                              | 1   | 0                  | Iran Transfo Post Development                | 1   | 0   |
| Gilan Regional Electric                           | 1   | 0   | Fars Power Maintenance                                      | 11  | 0   | Imam-Bandar Water Petrochemical Co.               | 1   | 0                  | Kian Sanat Nikan Isatis                      | 1   | 0   |
| Yazd Regional Electric                            | 1   | 0   | Arman Niroom Hormozgan                                      | 4   | 0   | <b>Engineering</b>                                | 50  | 2                  | Power Team                                   | 1   | 0   |
| Isfahan Regional Electric                         | 1   | 0   | Niroom Faraz Jonub Shargh                                   | 5   | 0   | Zarrin Samane Shargh                              | 1   | 0                  | Iranian Power Energy Innovators (IRN)        | 1   | 0   |
| <b>Power Plant</b>                                | 30  | 0   | Azarakhsh Transmission Power                                | 5   | 0   | Talash Sanat Dirin Daghigh                        | 0   | 1                  | Niroom Sanat Iranian                         | 1   | 0   |
| Chabahar Combined Cycle Power Plant               | 1   | 0   | Bakhtar Production and Transmssion of Electricity (Betanir) | 17  | 0   | Fanavaran Energy Toos Co                          | 5   | 0                  | Niroom Bam Pars                              | 1   | 0   |
| Zahedan Power Generation                          | 1   | 0   | <b>Oil Contractor</b>                                       | 10  | 0   | Sintaksa (HRV)                                    | 1   | 0                  | Pars Voltajhe Dashtestan                     | 1   | 0   |
| Mohammad Montazeri Power Generation Management    | 1   | 0   | Jahanpars Co  | 1   | 0   | Ideh Tajhiz Control Trading Engineering           | 1   | 0                  | Mabna Niroom                                 | 1   | 0   |
| Isfahan Power Generation Management               | 1   | 0   | EXIR SANAT  | 1   | 0   | Advensys  | 1   | 0                  | Hemmat Karan Engineering Technical           | 1   | 0   |
| Mashhad Power Generation Management               | 1   | 0   | Aghajari Oil and Gas Exploitation                           | 1   | 0   | Kia Electronic Faraz Co                           | 2   | 0                  | Peyman Niroom                                | 1   | 0   |
| Besat Power Generation Management                 | 1   | 0   | Petro Sanaat Jonoob   | 1   | 0   | Pishtaz Tamin Tajhiz Garb Company                 | 1   | 0                  | Arya Petronir Novin                          | 1   | 0   |
| Neka Power Generation Management                  | 1   | 0   | OICO Company  | 1   | 0   | Mashhad Tadbir                                    | 1   | 0                  | Nasr Niroom Yazd Company                     | 3   | 0   |
| Kish Water & Power                                | 1   | 0   | Talash Gostar Energy Development Management                 | 1   | 0   | Tavan Tajhiz Azma                                 | 1   | 0                  | COMPANY SSCO                                 | 1   | 0   |
| Shahid Rajaee Power Generation Management         | 1   | 0   | Mapna Neyr Perse  | 1   | 0   | Gostareh Energy Matin Asia                        | 1   | 0                  | Pars Sayna Energy                            | 1   | 0   |
| Soltanieh Combined Cycle Power Plant              | 1   | 0   | Maroon Oil & Gas  | 1   | 0   | Safa Nicu Sepahan                                 | 1   | 0                  | The Eastern Shore Force Protection           | 1   | 0   |
| Touss Power Generation Management Company         | 1   | 0   | Arvandan Oil and Gas  | 1   | 0   | Erika Sanat Varna                                 | 1   | 0                  | Mohammad Hadad (SWE)                         | 1   | 0   |
| Powerhouse of the Dahlato Combined Cycle          | 1   | 0   | Terminals and Tanks Petrochemical                           | 1   | 0   | Hefaz Sanat Arya                                  | 1   | 0                  | Shahab Niroom (AFG)                          | 2   | 0   |
| Bisotun Power Generation Management               | 1   | 0   | <b>Petrochemical</b>  | 29  | 0   | Yam Electric installation and Contracting Company | 1   | 0                  | Moham Shargh Group                           | 1   | 0   |
| Loshan Power Generation Management                | 1   | 0   | Hengam Petrochemical  | 1   | 0   | Tavanmand Consulting Engineering                  | 1   | 0                  | Power Technology Pyramids (PTP)              | 1   | 0   |
| Shahid Mofateh Power Generation                   | 1   | 0   | Kangan Petro Refining                                       | 1   | 0   | Nogaran Ghodrat Engineering Services              | 1   | 0                  | Parsian Group                                | 2   | 0   |
| Kowsar Zagros Power Plant Production & Management | 1   | 0   | Marjan Petrochemical  | 1   | 0   | Orumieh Sanjesh Sehat                             | 1   | 1                  | Mr. Khalilinia (IRQ)                         | 1   | 0   |
| Bandar Abbas Power Generation                     | 1   | 0   | Jam Petrochemical   | 1   | 0   | Arianir Engineering                               | 3   | 0                  | Ertebat Andishan Sanaat Sefahan              | 1   | 0   |
| Qom Combined Cycle Power Plant                    | 1   | 0   | Razi Petrochemical Company                                  | 1   | 0   | Nivand Energy Pooya                               | 1   | 0                  | Peyman Khotoot Shargh                        | 1   | 0   |
| Aliabad Golestan Power Plant                      | 1   | 0   | Maroon Petrochemical  | 1   | 0   | Behbood Sanat Niroom Consulting Engineers         | 1   | 0                  | South Pimaneh Energy                         | 1   | 0   |
|   |     |     | Shiraz Petrochemical  | 1   | 0   | Power Grid Solution (AUS)                         | 1   | 0                  | Pars Power                                   | 2   | 0   |
|   |     |     | Lorestan Petrochemical                                      | 1   | 0   | Parto Parsian Energy                              | 1   | 0                  | Niru Danesh Espadana                         | 1   | 0   |
|   |     |     |   |     |     | Kavosh Niroom Gostar Pazh Company                 | 2   | 0                  | Tabdil Niroom Aria                           | 1   | 0   |
|   |     |     |   |     |     |   |     | Roshan Gostar Toos | 1  | 0   |     |
|   |     |     |   |     |     |   |     | Karmania Voltage   | 1  | 0   |     |

# Relay Tester AMT

## List of Clients

| Co. Name   | 105 | 205 | Co. Name   | 105 | 205 | Co. Name  | 105 | 205 | Co. Name   | 105 | 205 |
|--|-----|-----|--|-----|-----|---|-----|-----|--|-----|-----|
| Faraniroo Engineering company  | 3   | 0   | Persian Gulf University                              | 2   | 0   | Foolad Gharb Asia Co                                    | 1   | 0   | Gas  | 5   | 0   |
| Kiyan Isatis Pars  | 1   | 0   | Province Electricity Distribution                    | 28  | 0   | Arfa Iron And Steel                                     | 1   | 0   | Fateh Sanat Kimia                                | 1   | 0   |
| Raysanat Sasan   | 1   | 0   | Ardabil Electric Power Distribution                  | 1   | 0   | Pasargad Steel  | 1   | 0   | Region 2 of Isfahan Gas Transmission Operations  | 1   | 0   |
| Matin Nirou Zagros   | 1   | 0   | Southern Kerman Electricity Distribution             | 1   | 0   | Zarand Iranian Steel                                    | 1   | 0   | District 3 of Tehran Gas Transmission Operations | 1   | 0   |
| Raysanat Sasan   | 1   | 0   | North Kerman Electricity Distribution                | 1   | 0   | Mobarakeh Steel   | 1   | 0   | Gas Transmission Operation Zone 8                | 1   | 0   |
| Kava Tavan Zagros  | 1   | 0   | Sistan & Balouchestan Electric Power Distribution    | 1   | 0   | Sirjan Iranian Steel                                    | 2   | 0   | Gas Transmission Operation Zone 6                | 1   | 0   |
| Petro Pars Ghodrat   | 1   | 0   | Hormozgan Province Electric Power Distribution       | 1   | 0   | Saba Steel  | 1   | 0   | Aluminum Industry                                | 3   | 0   |
| Nirou Azma Payam   | 1   | 0   | Yazd Electricity Distribution                        | 1   | 0   | South Kaveh Steel Kish                                  | 1   | 0   | Iran Aluminum (Iralco)                           | 1   | 0   |
| Ray Avin Fav   | 2   | 0   | Khuzestan Province Electric Power Distribution       | 1   | 0   | Jahan Ara Arvand Steel Factory                          | 2   | 0   | Almahdi Aluminium Co                             | 1   | 0   |
| Parseh Nirou Caspian   | 1   | 0   | Semnan Distribution                                  | 1   | 0   | Chadormalu Steel Company                                | 1   | 0   | IRAN ALUMINA Co                                  | 1   | 0   |
| Intis (HRV)  | 1   | 0   | Shiraz Electricity Distribution                      | 1   | 0   | South Rouhina Steel Complex                             | 1   | 0   | Producers of electrical panels                   | 13  | 0   |
| Bonyan Nirou Kerman  | 1   | 0   | Great Tehran Electricity Distribution                | 2   | 0   | Sefid Dasht Steel Complex                               | 1   | 0   | Taban Tablou East                                | 1   | 0   |
| Control Ghodrat Pars Co  | 2   | 0   | Alborz Electric Power Distribution                   | 1   | 0   | Giolgohar Iron & Steel Development Co                   | 3   | 0   | Fanavar San Sane Shargh Co                       | 2   | 0   |
| Ariya Ghodrat kavir  | 2   | 0   | Tehran Province Electric Power Distribution          | 4   | 0   | Copper Industry   | 3   | 0   | Ranin Sanat Gostar Company                       | 2   | 0   |
| Pooya Nirou Spadana Co   | 1   | 0   | Isfahan Province Electric Power Distribution         | 1   | 0   | Shahrbabak Copper Complex                               | 1   | 0   | Supply Board                                     | 1   | 0   |
| Tarh & Tose'eh Peyman Zagros   | 2   | 0   | Qom Province Electric Power Distribution             | 2   | 0   | Shahid Bahonar Copper Industries                        | 1   | 0   | Electro Kavir                                    | 1   | 0   |
| Saeghe Nirou Yazd Co   | 1   | 0   | East Azarbaijan Province Electric Power Distribution | 2   | 0   | Fulmen  | 1   | 0   | Ista Noavaran Niro company                       | 1   | 0   |
| University   | 28  | 0   | West Azarbaijan Province Electric Power Distribution | 1   | 0   | Relay Maker   | 11  | 0   | Noavaran Bargh Aria                              | 1   | 0   |
| Semnan University  | 1   | 0   | South Khorasan Province Electric Power Distribution  | 1   | 0   | Atrak Energy Gostar Aras CO                             | 1   | 0   | Fajr Tablo Co                                    | 1   | 0   |
| Amirkabir University Of Technology   | 2   | 0   | Razavi Khorasan Province Electric Power Distribution | 1   | 0   | Arma Pooyesh Analysts                                   | 1   | 0   | Arian Key Pars                                   | 1   | 0   |
| Yazd University  | 1   | 0   | North Khorasan Province Electric Power Distribution  | 1   | 0   | Mehvar Azma   | 4   | 0   | Subsidiaries                                     | 2   | 0   |
| Faculty Of Electrical and Computer Engineering - Tabriz University                     | 1   | 0   | Kermanshah Province Electric Power Distribution      | 2   | 0   | Hemianfen   | 4   | 0   | Subsidiary                                       | 2   | 0   |
| Esfahan University Of Technology   | 1   | 0   | Fars Province Electric Power Distribution            | 1   | 0   | Persian Processing Energy Power                         | 1   | 0   | Real Person                                      | 49  | 0   |
| University Of Isfahan  | 1   | 0   | Steel  | 31  | 0   | Trading   | 3   | 0   | Mr. Mohsen Kaviani Baghbadarani                  | 1   | 0   |
| Ministry Of Science & Technology Research & Technology University Of Birjand           | 1   | 0   | Sabzevar Steel Pars                                  | 1   | 0   | Turkuaz Group (TUR)                                     | 1   | 0   | Mr. Rahimi                                       | 2   | 0   |
| Damghan University   | 1   | 0   | International Technical Steel Engineering            | 1   | 0   | IRANA SYSTEM COMPANY                                    | 1   | 0   | Mr. Aslani                                       | 2   | 0   |
| Sharif University Of Technology  | 2   | 0   | Golgohar Mining & Industrial                         | 1   | 0   | Danesh Energy Sarir Co                                  | 1   | 0   | Mr. Sadeghi                                      | 1   | 0   |
| Sistan University  | 1   | 0   | Sangan Iron Ore Complex                              | 1   | 0   | Oil Refinery  | 18  | 0   | Mr. Ghasabian                                    | 1   | 0   |
| Ministry Of Science and Research Of Tehran University                                  | 2   | 0   | Sepehr Sharq Steel Company                           | 1   | 0   | Tabriz Oil Refining                                     | 1   | 0   | Mr. Gholamian                                    | 1   | 0   |
| Khaje Nasir al-Din Tusi University Of Technology                                       | 1   | 0   | KHAYYAM STEEL NEYSHABOUR                             | 1   | 0   | Shahid Hasheminejad Gas Refining (Khangiran Refinery)   | 1   | 0   | Mr. Jafari                                       | 3   | 0   |
| Shahid Bahonar University Of Kerman  | 1   | 0   | Chahar Mahal Bakhtiari Car Paper                     | 1   | 0   | Abadan Oil Refining                                     | 2   | 0   | Mr. Salar Farshid                                | 1   | 0   |
| Shahid Beheshti University   | 2   | 0   | Khuzestan Oxin Steel Co                              | 1   | 0   | Shazand Imam Khomeini Oil Refining                      | 1   | 0   | Mr. Roshani                                      | 1   | 0   |
| The Graduate University Of Advanced Technology   | 1   | 0   | Khuzestan Steel Company                              | 1   | 0   | Shiraz Oil Refining                                     | 1   | 0   | Mr. Arjmand                                      | 1   | 0   |
| University Of Lorestan   | 1   | 0   | Bonab Steel Industry Complex                         | 1   | 0   | South Pars Gas Complex Second Refinery (Phases 2 and 3) | 1   | 0   | Mr. Shamshiri                                    | 1   | 0   |
| Shahrood University  | 2   | 0   |  |     |     | South Pars Gas Complex Fourth                           | 1   | 0   | Mr. Alipoor                                      | 2   | 0   |
| Ministry Of Science Research & Technology Of Shahid Chamran University Of Ahvaz        | 1   | 0   |  |     |     | South Pars Gas Complex Sixth Refinery (Phases 15 & 16)  | 1   | 0   | Mr. Kasiri                                       | 1   | 0   |
| Mazandaran University Of Science And Technology  | 1   | 0   |  |     |     | South Pars Complex 9th Refinery Phases (12)             | 2   | 0   | Mr. Sahrayian                                    | 1   | 0   |
| Ministry Of Science Research & Technology University Of Science And Technology         | 1   | 0   |  |     |     | Isfahan Oil Refining                                    | 2   | 0   | Mr. Solymanpour                                  | 1   | 0   |
| Babol Noshirvani University Of Technology Faculty Of Electrical & Computer Engineering | 1   | 0   |  |     |     | South Pars Gas Complex (Phase 5)                        | 1   | 0   | Mr. Sabzalian                                    | 1   | 0   |
|  |     |     |  |     |     | Bidboland Gas Refinery Persian Gulf                     | 1   | 0   | Mr. Hassan Dehghan                               | 1   | 0   |
|  |     |     |  |     |     | South Pars Gas Complex 10th refinery                    | 1   | 0   | Mr. Estaki                                       | 1   | 0   |
|  |     |     |  |     |     | Behran Oil Co   | 1   | 0   | Mr. Jamaliyan                                    | 1   | 0   |
|  |     |     |  |     |     | Gachsaran Oil And Gas Exploitation                      | 1   | 0   | Mr. Gohardani                                    | 1   | 0   |
|  |     |     |  |     |     |   |     |     | Mr. Zafarani                                     | 1   | 0   |
|  |     |     |  |     |     |   |     |     | Mr. Pawel Wicher (POL)                           | 1   | 0   |
|  |     |     |  |     |     |   |     |     | Mr. Molaie                                       | 1   | 0   |
|  |     |     |  |     |     |   |     |     | Mr. Nasr   | 1   | 0   |
|  |     |     |  |     |     |   |     |     | Mr. Mirmohammadi                                 | 1   | 0   |
|  |     |     |  |     |     |   |     |     | Mr. Masoud Karimi                                | 1   | 0   |
|  |     |     |  |     |     |   |     |     | Mr. Farhadi                                      | 1   | 0   |

# Relay Tester AMT

| Co. Name                                     | 105 | 205 | Co. Name   | 105 | 205 | Co. Name   | 105 | 205 | Co. Name  | 105 | 205 |
|--|-----|-----|--|-----|-----|--|-----|-----|---|-----|-----|
| Mr. Malekshahi                               | 1   | 0   | <b>Utility</b>                                     | 3   | 0   | Khuzestan Hydropower Plant Installation Repair & Maintenance | 1   | 0   | <b>Engineering, procurement and construction</b>                          | 3   | 0   |
| Mr. Yahoo                                    | 1   | 0   | Industrial Lines Development                       | 1   | 0   | Iran Power Plant Repairs                                     | 2   | 0   | Shoa Gostar Shargh Co   | 1   | 0   |
| Mr. Ahmadi                                   | 1   | 0   | MAPNA Railways Development                         | 1   | 0   | Ahar Power plant services                                    | 1   | 0   | Energy Sazan Takin Co   | 1   | 0   |
| Mr. Shah Mohammadi                           | 1   | 0   | National Iranian Oil                               | 1   | 0   | MAPNA Operation and Reconstruction                           | 2   | 0   | OIEC Group  | 1   | 0   |
| Eng. Najafi Hajivar                          | 1   | 0   | <b>Transformer</b>                                 | 3   | 0   | Atomic Energy Engineering and Manufacturing                  | 1   | 0   | <b>Sea Ports And Shipping</b>   | 2   | 0   |
| Eng. Gholam Qous Marvi                       | 1   | 0   | Alvand Tavan Energy                                | 1   | 0   | Pasargad Energy Development                                  | 2   | 0   | Iran Marine Industrial (Sadra)  | 1   | 0   |
| Eng. Cheraghpour                             | 1   | 0   | Niroo Trans Sepahan                                | 1   | 0   | Niroo Sanat Sarcheshmeh                                      | 1   | 0   | Port & Maritime Organization of Khuzestan province- Imam Khomeini seaport | 1   | 0   |
| Eng. Soleimani                               | 1   | 0   | Ebda Sanat Bargh Co                                | 1   | 0   | <b>Mining Industry</b>                                       | 2   | 0   | <b>Water and Wastewater</b>   | 1   | 0   |
| Eng. Reza Jiani                              | 1   | 0   | <b>Agency</b>                                      | 9   | 0   | Sang Gohar Zamin Sirjan                                      | 1   | 0   | Tehran Water and Wastewater Treatment                                     | 1   | 0   |
| TebNox projects and consultants Lty Ltd(ZAF) | 1   | 0   | GenEko j.d.o.o. (HRV)                              | 7   | 0   | Sepahan Revival Iron Ore Mines                               | 1   | 0   | <b>Engineering, procurement and construction</b>                          | 2   | 0   |
| Eng. Cheraghpour                             | 1   | 0   | Moises Goncalves (CAN)                             | 1   | 0   | <b>Industrial automation</b>                                 | 2   | 0   | Ahvaz Power Distribution company  | 1   | 0   |
| Eng. Soleimani                               | 1   | 0   | ADEODUN SOJI TAYO                                  | 1   | 0   | MECO   | 1   | 0   | Isfahan Distribution  | 1   | 0   |
| Eng Tech MIET (GBR)                          | 1   | 0   | <b>Organizations</b>                               | 1   | 0   | Iran Supply and Control Systems                              | 1   | 0   | <b>Vebko</b>  | 5   | 0   |
| Eng. Ghasemi                                 | 1   | 0   | Power Research Institute                           | 1   | 0   |  |     |     |   |     |     |
| Motaz Al-Fayomi                              | 1   | 0   | <b>Power plant services</b>                        | 12  | 0   |  |     |     |   |     |     |
| Eng. Faghani                                 | 1   | 0   | Alborz Turbine Power Plant Engineering and Support | 2   | 0   |  |     |     |   |     |     |
| Eng. Saeed Rafiei                            | 1   | 0   |  |     |     |  |     |     |   |     |     |

## Client List Of Exported Devices

| Co. Name                     | 105 | 205 | Co. Name                         | 105 | 205 | Co. Name                                | 105 | 205 | Co. Name                              | 105 | 205 |
|------------------------------|-----|-----|----------------------------------|-----|-----|---|-----|-----|---------------------------------------|-----|-----|
| <b>Engineering Company</b>   | 55  | 0   | TDM Service & Solutions Company  | 12  | 0   | Paweł Wicher                            | 1   | 0   | Mohammad Hadad                        | 1   | 0   |
| Power Grid Solutions Pty Ltd | 1   | 0   | Control and Application Emirates | 1   | 0   | TebNox projects and consultants Lty Ltd | 4   | 0   | Intis                                 | 1   | 0   |
| THGT HIGH TECH COMPANY       | 1   | 0   | .EICA Co.Ltd                     | 2   | 0   | EngTech MIET                            | 6   | 0   | Power Team Company                    | 2   | 0   |
| Advensys                     | 1   | 0   | WISE ELEC SARL                   | 1   | 0   | Motaz Al-Fayomi                         | 1   | 0   | Al Seine Company                      | 1   | 0   |
| Sintaksa                     | 1   | 0   | RELGRID LLC                      | 1   | 0   | <b>agency</b>                           | 20  | 0   | PT. LEMBAH SENTRAL ELEKTRONINDO       | 2   | 0   |
| CV Kiat Energi               | 15  | 0   | arcprotech company               | 1   | 0   | .GenEko j.d.o.o                         | 19  | 0   | PT.KANTINO TEHNIK INDONESIA-SINGAPORE | 1   | 0   |
| JOSEPH MATHIAS               | 1   | 0   | SMCE GROUP T&D                   | 2   | 0   | ADEODUN SOJI TAYO                       | 1   | 0   | PT. Duta Surya Teknik                 | 1   | 0   |
| Públio Bernardes Severino    | 11  | 0   |                                  |     |     | <b>Oil Contractor</b>                   | 10  | 0   | Mr.Heydar Abbas                       | 1   | 0   |
| Mr.Made Arimbawa             | 2   | 0   | <b>Trading</b>                   | 1   | 0   | NTL Locacoes De Equipamentos I. LTDA    | 10  | 0   | Al_Ghazi Company                      | 1   | 0   |
| Kenyan customer              | 1   | 0   | Turkuaz Group                    | 1   | 0   | <b>Power Substation</b>                 | 17  | 0   | NS ENGINEERS                          | 3   | 0   |
| .JNE Co                      | 1   | 0   | <b>Real Person</b>               | 12  | 0   | Mr. Khalilinia                          | 1   | 0   | BV Engineering Ltd                    | 1   | 0   |
|                              |     |     |                                  |     |     |   |     |     | Wilfred Amen Asonmonriri              | 1   | 0   |

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