



**Vebko Amirkabir Co.**

**AMT 105  
205**



## Lista de Contenidos

- ▶ Historia de Vebko Amirkabir
- ▶ Capacidades del comprobador de relés AMT
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- ▶ Información de contacto

## Historia de Vebko Amirkabir

Vebko es una empresa de base científica, establecida en 2014 por orden de la vicepresidencia de ciencia y tecnología de Irán para fabricar dispositivos nacionales de comprobación de relés bajo la supervisión de la universidad de tecnología Amirkabir. El primer producto industrial de esta empresa entró en el mercado en 2015 y Aún vendieron más de 850 dispositivos de prueba de relés a importantes centros industriales de electricidad, petróleo y gas, así como a algunas universidades.

El AMT es una solución universal para probar todo tipo de relés y equipos de protección, disyuntores, cables y sensores térmicos, así como transformadores de potencia, corriente, tensión y condensador-tensión. Debido a estas características, este dispositivo es capaz de probar diferentes tipos de relés y equipos de protección.

AMT 205 Seis fuentes de corriente de 32 A (64 A en modo trifásico, 128 A en modo monofásico), en menos de 300 milisegundos se tiene una corriente trifásica de 70A y una corriente monofásica de 200A.

6 fuentes de tensión de 300 V (1200 V en modo monofásico), cable de combinación de corriente y tensión, 8 entradas binarias analógicas, 2 entradas analógicas de corriente y tensión continua de alta precisión, 4 salidas binarias, fuente de tensión continua (420 V).

AMT 105 Seis fuentes de corriente de 32 A (64 A en modo trifásico, 128 A en modo monofásico), 4 fuentes de tensión de 150 V (450 V en modo monofásico), cable de combinación de corriente y

## Certificados y testimoniales

### Certificado por

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



Certificado relacionado con la calibración y la certificación de la Comunidad de Vebko

CE Certificado obtenido de IMQ

### Lista de AVL

- ▶ 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.
- ▶ Zarand Iranian Steel Co.

## Capabilidades de AMT

### Especificaciones del software

1. Capaz de probar una amplia gama de relés estáticos, electromecánicos y numéricos
2. Capaz de leer, editar & Crear todos los archivos XRio & Rio archivos XRio & Rio
3. Capaz de realizar pruebas de transitorios
4. Capaz de realizar pruebas punto a punto o de extremo a extremo
5. Incorpora GPS y Wi-Fi
6. Realización de pruebas de forma automática
7. Informe completo de las pruebas
8. Capaz de rellenar automáticamente las hojas de pruebas de diferentes empresas
9. Compatible con Windows XP, 8, 10, 11
10. Compatible con las aplicaciones de Android e iOS
11. Opciones de autoguardado, rehacer y deshacer
12. Archivo HTML manual en persa , inglés Alemania , español
13. Uso de la tecnología bootloader para actualizar el firmware
14. Una gran cantidad de videos instructivos

### Capaz de probar transformadores de potencia

1. Resistencia del bobinado
2. Corriente en vacío
3. Equilibrio magnético
4. Continuidad del cambiador de tomas
5. Relación (TTR)
6. Grupo de vectores
7. Desmagnetización
8. Reactancia de fuga

### Capaz de probar transformadores de corriente (CT)

1. Excitación (saturación)
2. Curva de histéresis
3. Relación mediante corriente o tensión
4. Polaridad mediante corriente o tensión
5. Error de fase
6. Resistencia del bobinado
7. Carga secundaria

### Capaz de probar transductores y medidores

1. Alta precisión en la comprobación de transductores y medidores
2. Equipado con un contador de pulsos para leer automáticamente la energía

### Capaz de probar VT/CVT

1. Relación y polaridad
2. Resistencia del bobinado
3. Impedancia de cortocircuito
4. Excitación

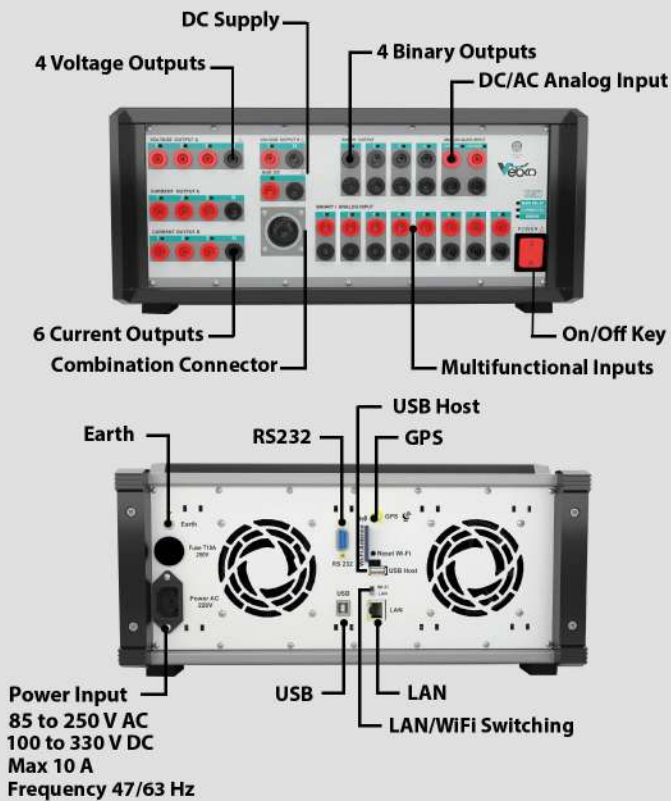
### Capaz de probar disyuntores (CB) y seccionadores

1. Comprobación de la hora de apertura y cierre
2. Resistencia de los contactos
3. Tensión mínima para el funcionamiento de la prueba CB

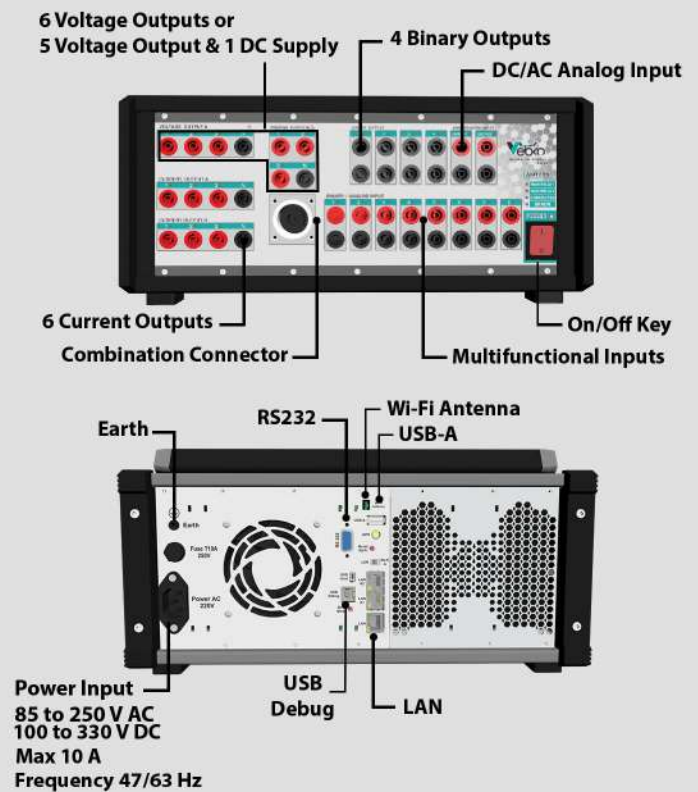
# COMPROBADOR DE RELÉS AMT

## Características del Hardware del Comprobador

### AMT105



### AMT205



## Un resumen de las características eléctricas y físicas del dispositivo

### 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

### High Voltage, Low Current Generators AMT105

Voltage	4 Phase (L-N)	AC: 4 X 0 ... 150 V DC: 4 X 0 ... 210 V
	Series and parallel	Yes
	Resolution	400 $\mu$ V
	Accuracy	0.2% or 20 mV

Current	No
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### 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 AMT205

Voltage	6 Phase (L-N)	AC: 6 X 0 ... 300 V DC: 6 X 0 ... 420 V
	Series and parallel	Yes
	Resolution	800 $\mu$ V
	Accuracy	0.2% or 20 mV

Current	Normal Mode	6 Phase (L-N)	AC: 6 X 0 ... 0.35 A DC: 6 X 0 ... 0.5 A
		Series and parallel	Yes
		Resolution	1 $\mu$ A
		Accuracy	0.2% or 25 $\mu$ A
	Internal Booster Mode time < 200ms	6 Phase (L-N)	AC: 6 X 0 ... 1 A DC: 6 X 0 ... 1.5 A
		Series and parallel	Yes
		Resolution	16 $\mu$ A
		Accuracy	0.2% or 100 $\mu$ A

# COMPROBADOR DE RELÉS 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	0.1 ppm	
Harmonic Injection	Enter Harmonic	Yes	2 Free Harmonic
	Harmonic Order	No	
Recording	Sampling Rate	1.2 ms	
	Variable	Currents and Voltages	
Protection	Detection	Power according to power curves	
	Type	Test off	
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 ... 5 kHz	
	Resolution	1 $\mu$ Hz	
	Accuracy	0.1 ppm	
Harmonic Injection	Enter Harmonic	Yes	2 Free Harmonic Maximum Order 100 for 50Hz (5KHz)
	Harmonic Order	Yes	
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)	

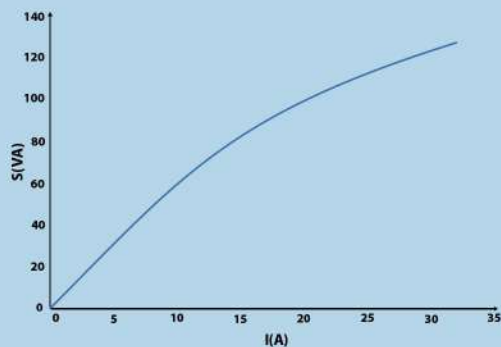
Low Voltage, High Current Generators AMT105			
Current	Normal Mode	6 Phase (L-N)	AC: 6 X 0 ... 32 A DC: 6 X 0 ... 32 A
		Resolution	85 $\mu$ A
		Accuracy	0.2% or 1 mA
	Internal Booster Mode	No	
	Maximum Compliance Voltage	12V	
Series and parallel		Yes	
Voltage	No		
Phase	Range	0 to 360	
	Resolution	0.001	
	Accuracy	0.1	
Frequency	Range	0 ... 2.5 kHz	
	Resolution	1 $\mu$ Hz	
	Accuracy	0.1 ppm	

Low Voltage, High Current Generators AMT205			
Current	Normal Mode	6 Phase (L-N)	AC: 6 X 0 ... 32 A DC: 6 X 0 ... 45 A
		Resolution	85 $\mu$ A
		Accuracy	0.2% or 2 mA
	Internal Booster Mode time < 300ms	6 Phase (L-N)	AC: 6 X 0 ... 67 A DC: 6 X 0 ... 95 A
	Resolution	170 $\mu$ A	
Accuracy	0.2% or 5 mA		
Maximum Compliance Voltage	22V		
Series and parallel		Yes	
Voltage	6 Phase (L-N)	AC: 6 X 0 ... 12 V DC: 6 X 0 ... 20 V	
	Series and parallel	Yes	
	Resolution	40 $\mu$ V	
	Accuracy	0.2% or 1 mV	
Phase	Range	0 to 360	
	Resolution	0.001	
	Accuracy	0.1	
Frequency	Range	0 ... 2.5 kHz	
	Resolution	1 $\mu$ Hz	
	Accuracy	0.1 ppm	

# COMPROBADOR DE RELÉS AMT

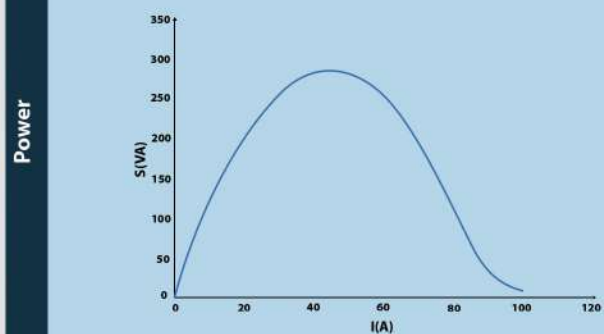
## (continue) Low Voltage, High Current Generators AMT105

Recording	Sampling Rate	1.2 ms	
	Variable	Currents	
Protection	Detection	Maximum Neutral Current	32A: Unlimited 64 A: 3 s 100 A: 300 ms
		Setting	Software Controlled: Time , Enable
		Type	Test off
Connection Banana Sockets		4 mm (0.16 in) banana sockets / 32 A continuously	
Connection Combination Socket		Group A (30 A continuously max)	
LED		Green (1 Color)	
Harmonic Injection	Enter Harmonic	Yes	2 Free Harmonic
	Harmonic Order	No	



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

Recording	Sampling Rate	25 $\mu$ s	
	Variable	Currents & Voltages	
Protection	Detection	Maximum Neutral Current	32A: Unlimited 64 A: 3 s 100 A: 300 ms
		Setting	Software Controlled: Time , Enable
		Type	Test off
Connection Banana Sockets		4 mm (0.16 in) banana sockets / 32 A continuously	
Connection Combination Socket		Group A (30 A continuously max)	
LED		RGB (16 Million Color)	
Harmonic Injection	Enter Harmonic	Yes	2 Free Harmonic
	Harmonic Order	Yes	



## 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	0.1% or 150 $\mu$ V
		Resolution	35 $\mu$ V
		Impedance	493.75 K $\Omega$
	Range 1: 0 ... $\pm 30$ V(Peak)	Accuracy	0.1% or 1 mV
		Resolution	250 $\mu$ V
		Impedance	414.783 K $\Omega$
Range 1: 0 ... $\pm 180$ V(Peak)	Accuracy	0.1% or 10 mV	
	Resolution	1.5 mV	
	Impedance	405.267 K $\Omega$	
No			
Recording	Sampling Rate	400 $\mu$ s	
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	0.1% or 150 $\mu$ V
		Resolution	35 $\mu$ V
		Impedance	493.75 K $\Omega$
	Range 1: 0 ... $\pm 30$ V(Peak)	Accuracy	0.1% or 1 mV
		Resolution	250 $\mu$ V
		Impedance	414.783 K $\Omega$
Range 1: 0 ... $\pm 180$ V(Peak)	Accuracy	0.1% or 10 mV	
	Resolution	1.5 mV	
	Impedance	405.267 K $\Omega$	
Range 1: 0 ... $\pm 520$ V(Peak)	Accuracy	0.1% or 25 mV	
	Resolution	4 mV	
	Impedance	404.298 K $\Omega$	
Recording	Sampling Rate	12.5 $\mu$ s	
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)		

# COMPROBADOR DE RELÉS 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	0.1% or 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 µs
	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	0.1% or 50 µA
	Resolution	6 µA
	Shunt	1Ω
Range 3: 0 ... ± 35 mA	Accuracy	0.1% or 2 µA
	Resolution	0.3 µA
	Shunt	22Ω
Range 1: 0 ... ± 10 A	Accuracy	0.1% or 10mA
	Resolution	1.5mA
	shunt	5mΩ
Range 4: 0 ... ± 82 µA	Accuracy	0.1% or 30 nA
	Resolution	6 nA
	Shunt	3 KΩ
Recording	Sampling Rate	12.5 µs
	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)	

# COMPROBADOR DE RELÉS AMT

## AC/DC Voltage Measuring Input AMT105

Range 1: 0 ... ±400 mV(Peak)	Accuracy	0.1% or 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	No
	SV	No

## 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	0.1% or 20 μV
	Resolution	3 μV
	Impedance	54.7826 KΩ
Range 2: 0 ... ±60 mV(Peak)	Accuracy	0.1% or 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 Max Current : 8 V , 210 A
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## GPS AMT205

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

## Protocol AMT205

IEC 61850	Goose Message	yes
	SV	yes

## 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



## Breve lista de Especificaciones

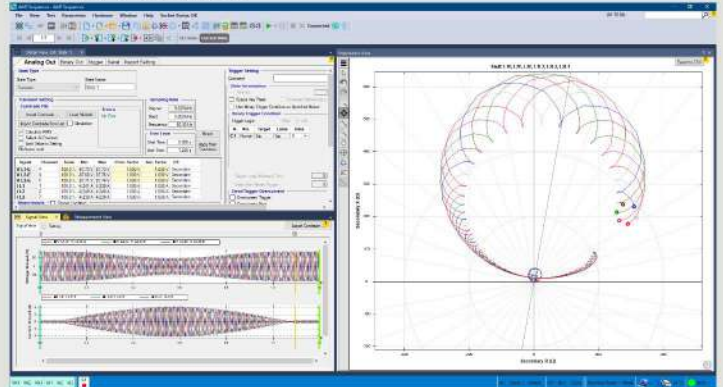
### Diferentes Salas de Pruebas

Página de inicio de Vebko Software



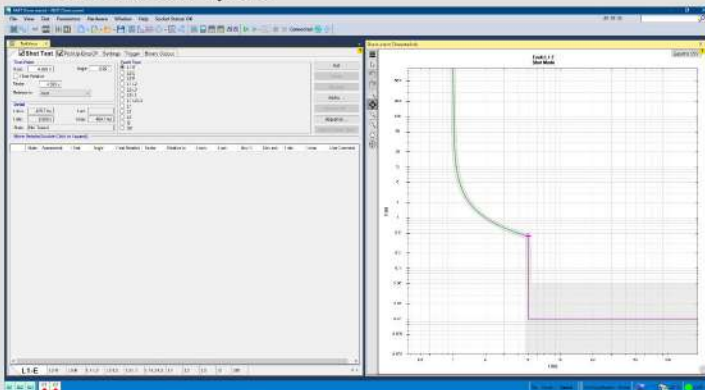
### Secuenciador AMT

Se utiliza para diseñar pruebas que emplean los modos normal, rápido, rampa escalonada, rampa coninosa, armónico, transitorio



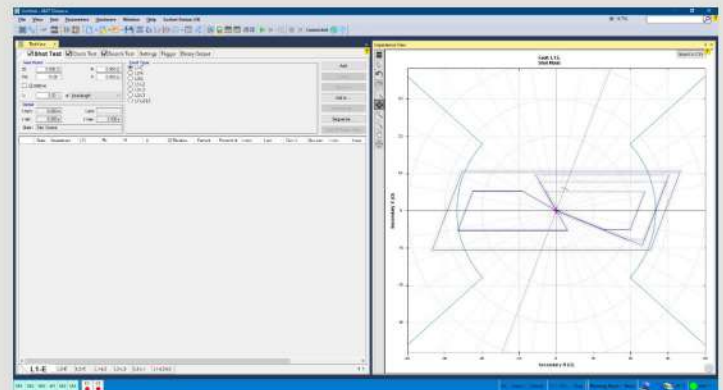
### Sobrecorriente AMT

Se utiliza para probar funciones de corriente como 51/50/67, etc.



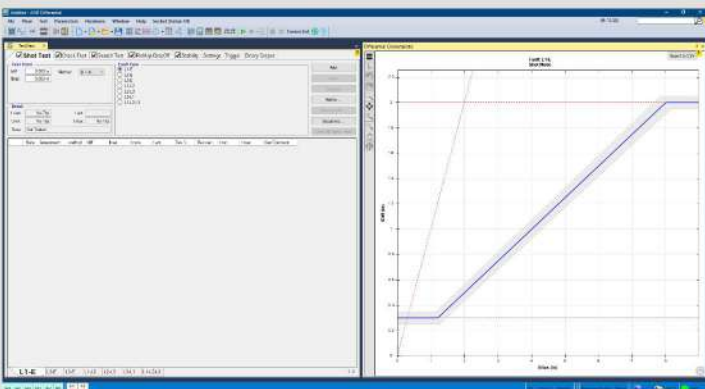
### Distancia AMT

Se utiliza para probar las funciones de Impedancia



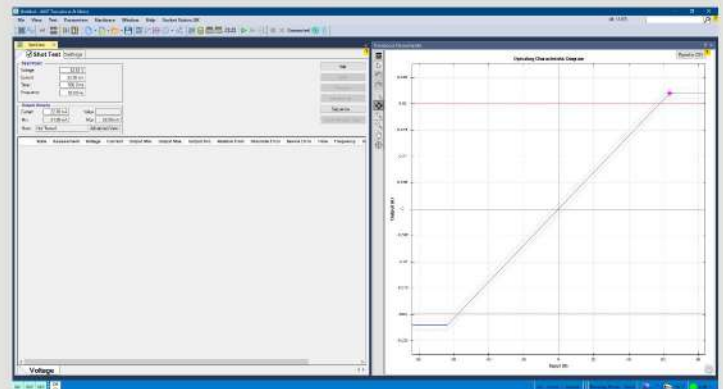
### Diferencial AMT

Se utiliza para comprobar el funcionamiento del diferencial



### Transductor y medidor

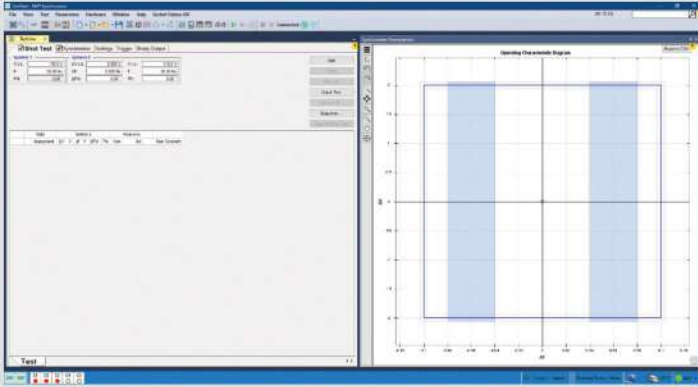
Se utiliza para probar el transductor y el medidor



# COMPROBADOR DE RELÉS AMT

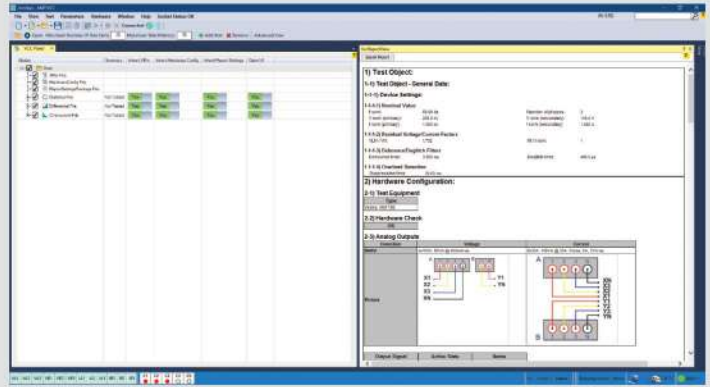
## Sincronizador AMT

Se utiliza para probar el relé del sincronizador



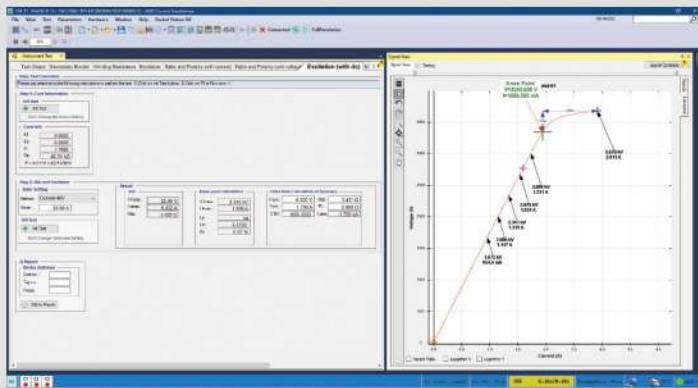
## VCC

Se utiliza para ejecutar sucesivamente las pruebas diseñadas para un relé



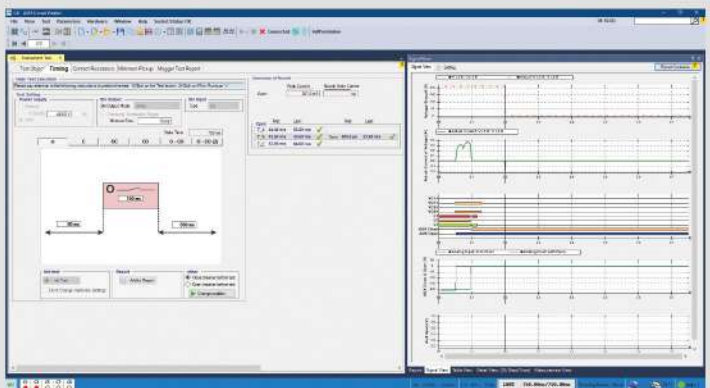
## Transformador de corriente

Se utiliza para probar varias clases de CT



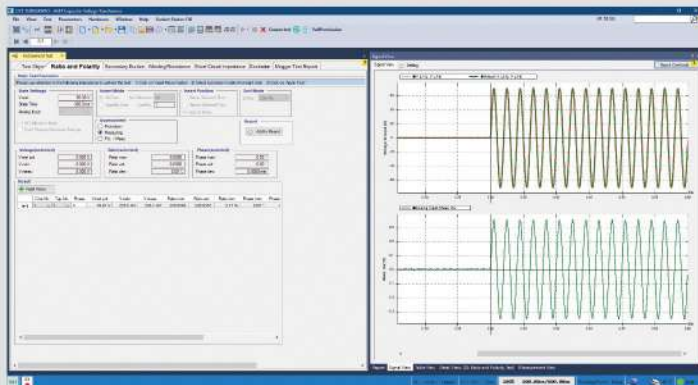
## Interruptor automático

Utilizado para pruebas de interruptores de MT y AT



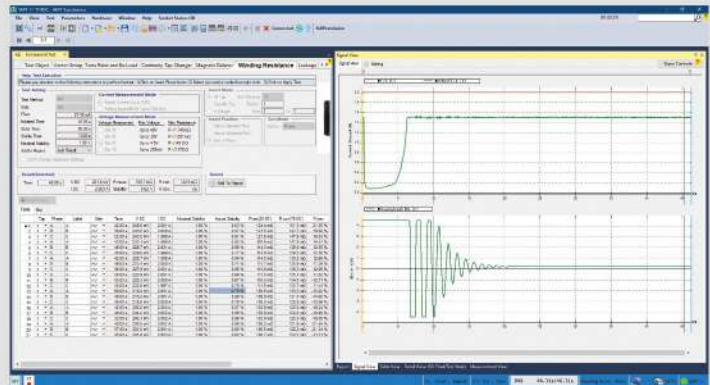
## CVT

Se utiliza para probar varias clases de CVT



## Transformer

Se utiliza para realizar diferentes pruebas de transformadores



# COMPROBADOR DE RELÉS AMT

## Lista de proveedores

Línea	Nombres de empresas	ID nacional	Campo	Nacional / Extranjero	Nacionalidad	Especificaciones	Categoría de producto	Provincia	Ciudad	Address	Teléfono	Fax	Fecha de actualización	Descripción
656	Vebko Amirkabir remonitización de la calidad de la energía	14004384990	Fabricación	Nacional	Irán	Probador de protección de relés AMT y relé de protección multifunción AMR	67	Qazvin	Qazvin	Dirección: 5ª planta, edificio n° 76, bulevar Parastar, bulevar Norouzian	+982833692361	+982833632038	2017/11/05	Autodeclarado

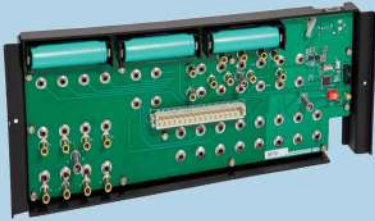
## Equipo en la maleta de transporte

		 39 CM 19 CM 41 CM Weight : 12.5 Kg				 39 CM 19 CM 41 CM Weight : 12.5 Kg									
Maletín de transporte para probadores		Probador de relés AMT205				Probador de relés AMT105									
AMT1001	Cantidad: 1	AMT1050				1	AMT1003		1						
Pinza de prueba para transformadores	cubierta de abrazadera	Cable de combinación	Cable de Ethernet	Cable de alimentación	Pinzas de cocodrilo a clavijas o tornillos de contacto	Cable de prueba del transformador	Bolsa de transporte								
AMT1016	8	AMT1028	8	AMT1004	1	AMT1007	1	AMT1006	1	AMT1012	4	AMT1015	3	AMT1002	1
Caja de condensadores	Adaptador de carga de prueba flexible con manguitos retráctiles. Enchufes de seguridad de 4 mm de longitud 30 CM, 32 A	Cable USB de programación	Puente flexible de 6 CM de longitud para la paralización de la corriente triple A y B	Bridas para cables (cierre de velcro) Negro, 150 mm de largo	Cable de carga										
AMT1019	1	AMT1011	4	AMT1026	1	AMT1014	4	AMT1013	5	AMT1005	5				
Dongle de serie	Adaptadores de terminales flexibles 2,5 CM, 4 mm, 32 A	Adaptador de terminal de cable de 4 mm	Cable de tierra	Sensor óptico para medidor de pruebas	Antena GPS										
AMT1020	1	AMT1009	12	AMT1010	12	AMT1008	1	AMT1018	1	AMT1017	1				
Mochila Trans	Cubierta de equipaje	Destornillador	Bolsa A	Soporte de cable trans											
AMT1023	1	AMT1024	1	AMT1022	1	AMT1025	1	AMT1021	16						
AMT1023	1	AMT1024	1	AMT1022	1	AMT1025	1	AMT1021	16						

# COMPROBADOR DE RELÉS AMT

## Accessories

(\*): Necesita Módulo Base



Módulo básico

Módulo de graves

AMT1030

(\*)



Módulo de prueba CB

AMT1031

(\*)



Módulo de prueba CT y CVT

AMT1033

(\*)



Módulo de prueba de transformadores

AMT1032

(\*)



Probador de relés y módulo de alto voltaje

AMT1039

(\*)



Módulo de calibración

AMT1035



Módulo de derivación de 10 Milli OHM

AMT1038



Módulo regulador lineal de alto voltaje

AMT1046



Módulo de medición de resistencia de aislamiento

AMT1040



Módulo de arco eléctrico

AMT1051



Módulo de prueba de relés electrónicos

AMT1034

## Lista de Clientes

Co. Nombre	105	205	Co. Nombre	105	205	Co. Nombre	105	205	Co. Nombre	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 Niroo Novin Iranian	1	0
<b>Consulting</b>	4	0	Sardasht Hydropower Plant	1	0	Mahabad Petrochemical	1	0	Asa Electrical Engineering	1	0
Hoodad Niroo 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	Niroo 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 Niroo 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 Niroo	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 Niroo 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 Niro Hormozgan	4	0	<b>Engineering</b>	50	2	Power Team	1	0
Isfahan Regional Electric	1	0	Niroo 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	Niroo 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	Niroo 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 Niroo	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 Niroo	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 Niroo 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 Niroo (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 Niroo 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 Niroo Gostar Pazh Company	2	0	Tabdil Niroo Aria	1	0
									Roshan Gostar Toos	1	0
									Karmania Voltage	1	0

## Lista de Clientes

Co. Nombre	105	205	Co. Nombre	105	205	Co. Nombre	105	205	Co. Nombre	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 Sanat 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

# COMPROBADOR DE RELÉS AMT

Co. Nombre	105	205	Co. Nombre	105	205	Co. Nombre	105	205	Co. Nombre	105	205
Mr. Malekshahi	1	0	Utility	3	0	Khuzestan Hydropower Plant Installation Repair & Maintenance	1	0	Engineering, procurement and construction	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	Transformer	3	0	Atomic Energy Engineering and Manufacturing	1	0	Sea Ports And Shipping	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	Mining Industry	2	0	Water and Wastewater	1	0
Eng. Reza Jiani	1	0	Agency	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	Engineering, procurement and construction	2	0
Eng. Cheraghpour	1	0	Moises Goncalves (CAN)	1	0	Industrial automation	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	Organizations	1	0	Iran Supply and Control Systems	1	0	Vebko	5	0
Eng. Ghasemi	1	0	Power Research Institute	1	0						
Motaz Al-Fayomi	1	0	Power plant services	12	0						
Eng. Faghani	1	0	Alborz Turbine Power Plant Engineering and Support	2	0						
Eng. Saeed Rafiei	1	0									

## Lista de clientes de dispositivos exportados

Co. Nombre	105	205	Co. Nombre	105	205	Co. Nombre	105	205	Co. Nombre	105	205
Engineering Company	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	agency	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							Mr.Heydar Abbas	1	0
Mr.Made Arimbawa	2	0	Trading	1	0	Oil Contractor	10	0	Al_Ghazi Company	1	0
Kenyan customer	1	0	Turkuaz Group	1	0	NTL Locacoes De Equipamentos I. LTDA	10	0	NS ENGINEERS	3	0
.INE Co	1	0	Real Person	12	0	Power Substation	17	0	BV Engineering Ltd	1	0
						Mr. Khalilinia	1	0	Wilfred Amen Asonmonriri	1	0

## Información de Contacto

### Oficina central 1

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### Oficina central 2

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Unidad 12, 1er piso, No 7, Balavar St. Across from daneshjoo park, Valiasr Junction, Tehran, Iran

### Oficina de ventas

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### Director General

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### Oficina Internacional

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Correo electrónico : Mostafa.Hajati@vebko.org

### Experto superior

Dr. Ali Akbar Nazari Tell : +989127833092  
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### Director de Marketing Internacional-Técnico

Mr. Mostafa Hajati Tell : +989124335547

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Youtube : Vebko



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