

AktoMech

PRODUCTS & SERVICES CATALOGUE



ELECTRIC MARINE &
AUTOMATION SERVICES

Member of W.I.M.A.





AktoMech

Electric Marine
&
Automation Services

AktoMech is a limited partnership company that has been providing integrated and automated systems and services to shipping companies since 1974.

Our main office and workshop are located in a privately owned 900 sqm facility, purpose-built to meet our operational requirements.

We specialise in electrical installations, automated monitoring systems, and the testing of air circuit breakers.

Our facility maintains a large inventory of air circuit breakers, automatic voltage regulators, oil mist detectors, and a variety of other parts.

Additionally, **AktoMech** is a member of W.I.M.A., a non-profit organisation dedicated to sharing its extensive experience in the marine industry.

The organisation promotes collaboration and collective growth both within Greece and internationally.

In 2013, our company obtained quality certification in accordance with the EN ISO 9001:2015 standard, covering all areas of our expertise.



Nikolaos Z. Paranichianakis

AKTOMECH PRODUCTS

AIR CIRCUIT BREAKERS

We maintain a large inventory of air circuit breakers, including both new and reconditioned units, readily available on our premises.

The stock list is subject to prior sale, however, we can quickly source any unavailable items upon request.

We offer breakers with capacities ranging from 800 to 3,200 amps, and our skilled service engineers are on hand to provide professional installation services.

Supported manufacturers include:
TERASAKI ELECTRIC, SCHNEIDER ELECTRIC, MITSUBISHI ELECTRIC, LS ELECTRIC, HYUNDAI



TERASAKI ELECTRIC

AR Series

Stock list:

- AR208S, AR212S, AR216S, AR220S, AR325S

Spare parts list:

- Spring charging motor (M)
- Undervoltage trip device (UVT)
- Overcurrent trip device (OCR)



SCHNEIDER ELECTRIC

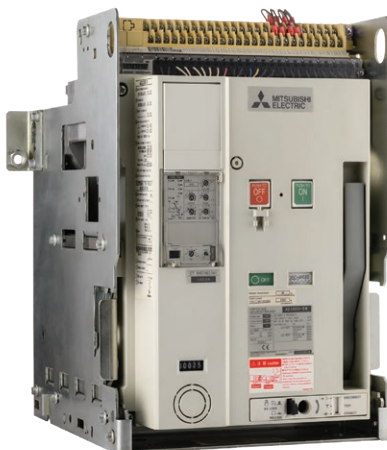
NW & NT Series

Stock list:

- NW08, NW12, NW16, NW20, NT06, NT08, NT12, NT16

Spare parts list:

- Spring charging motor (MCH)
- Undervoltage trip device (MN)
- Overcurrent trip device (Micrologic)



MITSUBISHI ELECTRIC

SW & SS Series

Stock list:

- Super AE1000-SW, Super AE1250-SW, Super AE1600-SW

Spare parts list:

- Spring charging motor (M)
- Undervoltage trip device (UVT)
- Overcurrent trip device (ETR)



LS ELECTRIC

AS Series

Stock list:

- AS-08D3, AS-13D3, AS-20D3

Spare parts list:

- Spring charging motor (M)
- Undervoltage trip device (UVT)
- Overcurrent trip device (STR)



HYUNDAI ELECTRIC

HiAN Series

Stock list:

- HiAN-08, HiAN-12, HiAN-16

Spare parts list:

- Spring charging motor (M)
- Undervoltage trip device (UVT)
- Overcurrent trip device (OCR)



TERASAKI & HYUNDAI

AT Series & HAT Series

Stock list:

- AT12, AT16
- HAT08, HAT12, HAT16

Spare parts list:

- Spring charging motor (M)
- Undervoltage trip device (UVT)
- Overcurrent trip device (OCR)



TERASAKI ELECTRIC

AME Series

Stock list:

- AME-3B, AME-4B, AME-6B, AME-9B

Spare parts list:

- Motor mechanism (M),
- Undervoltage trip device (UVT)



OIL MIST DETECTOR

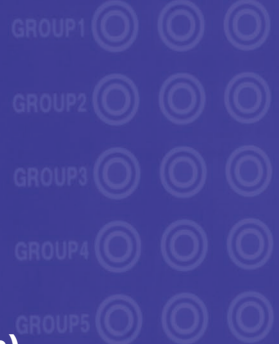


OIL MIST DETECTORS

We offer a wide range of oil mist detector spare parts, including both refurbished and brand-new units. Additionally, OMD units are available on an exchange basis, subject to availability.

Supported manufacturers include:
KIDDE AUTOMATION (Graviner),
SCHALLER AUTOMATION (Visatron),
SPECS, DAIHATSU

RUN ALARM FAULT



SPECS VISION III

ABS,BV,DNV,GL,KR,LR,NK
Type Approved

Highly Integrated SBC Design
Anti Vibration Design
No Optical Obscuration Design



ALARM ACK





GRAVINER

MK7

Stock list:

1. Control Unit:
53836-K270 (with membrane)
2. Head Detectors:
53836-K269 (with base)
53836-K272 (replacement head)
3. Remote Display Unit: 53836-K271
4. Detector Cable (straight): 43682-K286-XX

GRAVINER

MK6

Stock list:

1. Control Unit:
53836-K250 (bulkhead mounting)
53836-K251 (flush mount)
2. Head Detectors:
E3561-301 (with base)
D5622-001 (replacement head)
3. Engine Junction Box: 53836-K252-XX
4. Detector Cable (straight): V43682-K108-XX



DAIHATSU

MD-SX

Stock list:

1. Controller (MODEL MD-SX CONTROLLER)
2. Sensor unit: Standard type - connector type
3. Connecting Cable





DAIHATSU

MD-9M

Complete set of the oil mist detector.



SPECS

VISION III

Stock list:

1. Remote Monitoring Unit (RMU): Vision IIIR
2. Sensor unit: Vision IIIC
3. Connecting Cable



SCHALLER AUTOMATION

VISATRON 215/87 PLUS

Stock list:

- Measuring head
- Pressure regulator
- Valve box



SCHALLER AUTOMATION

VISATRON VN215/93

Stock list:

- Measuring head
- Pressure regulator
- Valve box



SCHALLER AUTOMATION

VISATRON VN115/87 PLUS

Stock list:

- Measuring head
- Pressure regulator
- Connection Box




SCHALLER AUTOMATION

SPARE PARTS

Stock list:

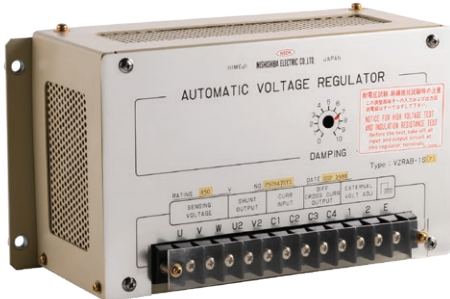
- Pressure regulator
- Scavenging air filter
- Scavenging air insert
- Filters for pressure regulator
- O-ring for pressure reducer



AUTOMATIC VOLTAGE REGULATORS

We supply an extensive range of automatic voltage regulators, available in both new and refurbished condition.

Supported manufacturers include:
**SIEMENS, HYUNDAI, TAYIO, STAMFORD,
NISHISHIBA**

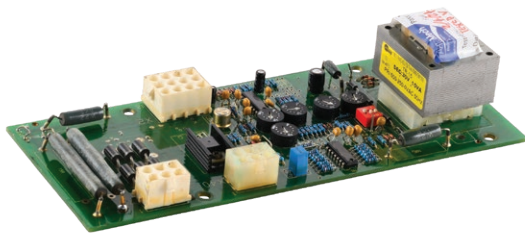


NISHISHIBA

VZBAB

Specifications

- Rating Voltage: 450V AC
- Adjustments: Voltage ("VOLT"), Stability ("STAB"), Power Factor ("P/F"), Cross current (CC)



SIEMENS / HUYNDAI

6GA2 491

Specifications

- Sensing / Power Input Voltage: 220 / 380 / 440 Vac, single phase, 2-wire
- Input Frequency: 50 / 60 Hz
- Excitation / Field Output: ~ 90 V DC
- Output Current - Continuous: ~ 5 A



STAMFORD

MX341

Specifications

- Sensing / Power Input Voltage: 220 / 380 / 440 Vac, single phase, 2-wire
- Input Frequency: 50 / 60 Hz
- Excitation / Field Output: ~ 90 V DC
- Output Current - Continuous: ~ 5 A



TAIYO

EXU-61a

Specifications

- Regulation type: Subtractive regulation with compound circuit.
- Adjustments: Voltage ("VOLT"), Stability ("STAB"), Power Factor ("P/F").



UVR

Specifications

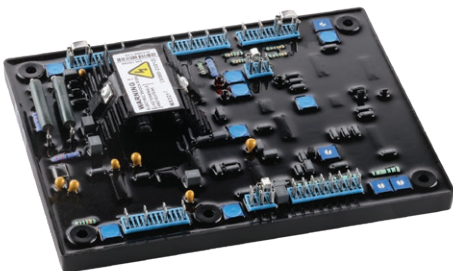
- Power Input (Excitation Supply): AC 80-270 V, 50/60 Hz
- Sensing Input (Voltage Sensing): AC 170-480 V, 1 or 3 phase
- Output Voltage (Excitation Output): ~ 80 V DC typical

STAMFORD

MX321

Specifications

- Sensing Input (Voltage): 190 – 264 V AC (2 or 3 phases)
- Power Input (from PMG): 170 – 220 V AC, 3-phase, 3 wires
- PMG Input Current: 3 A per phase



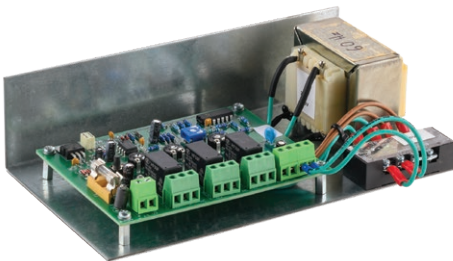
SPEED SWITCHES

A variety of speed switches is available, designed to continuously monitor engine speed and provide protection against overspeed conditions.



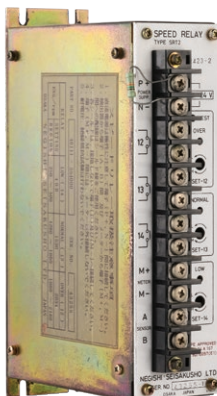
DAIHATSU

Speed Switch | MDP-REV



AKTOMECH

Speed Switch



NEGISHI SEISAKUSHO

Speed Relay | SRT2

RUDDER ANGLE INDICATORS

We maintain a stock of rudder angle indicators and transmitters. The indicators are easy to install and adjust.



SACI

Rudder Angle Indicator

Specifications

- Dimensions: 144X144mm
- Illuminated: 24VDC
- Input signal: +10 / 0 / -10Volts
- Origin: Spain



YTC

Rudder Angle Transmitter

Specifications

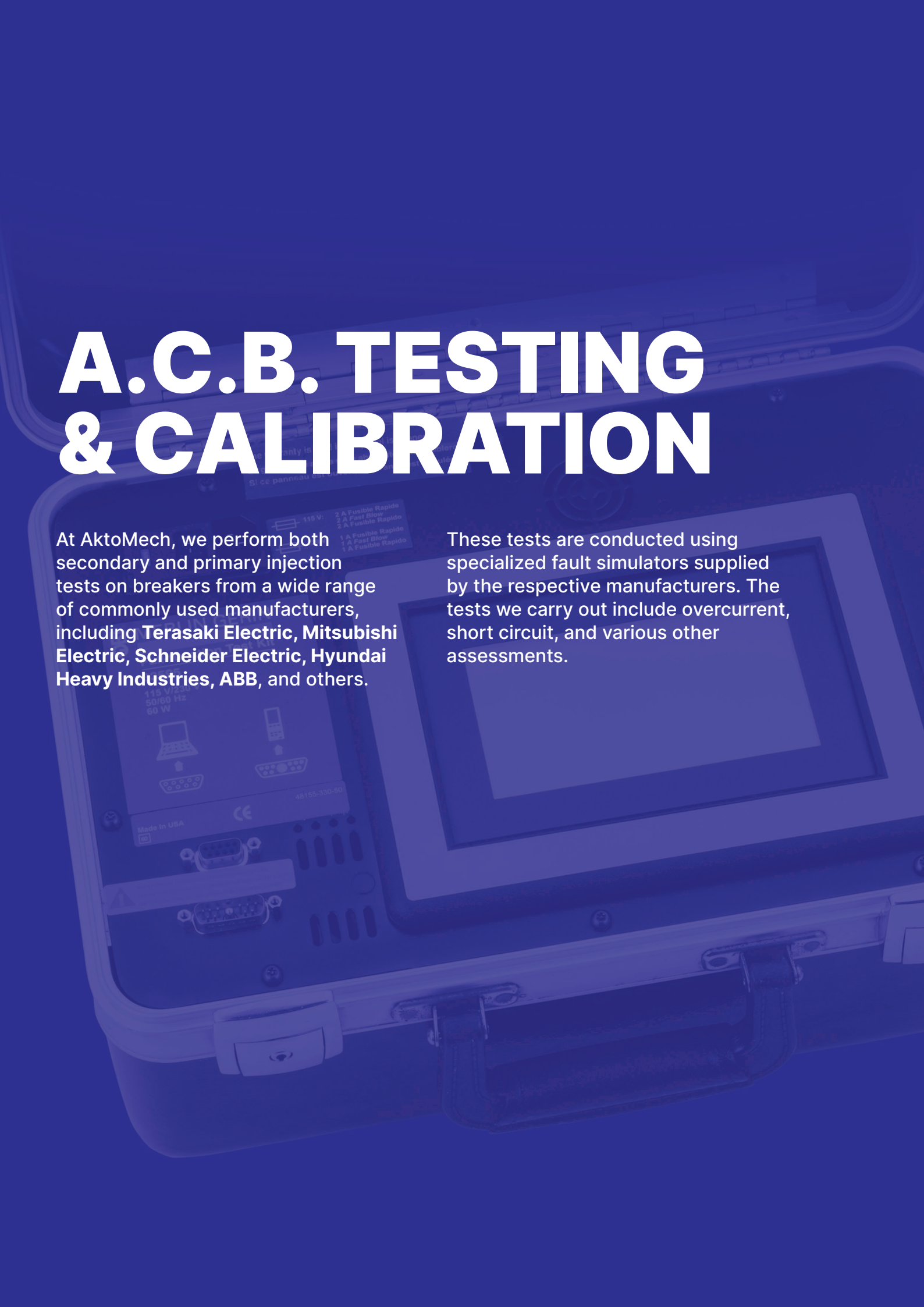
- Supply voltage: 24V DC
- Output: 4-20mAs or +/-10Volts
- Origin: South Korea

AKTOMECH / SERVICES

A.C.B. TESTING & CALIBRATION

At AktoMech, we perform both secondary and primary injection tests on breakers from a wide range of commonly used manufacturers, including **Terasaki Electric, Mitsubishi Electric, Schneider Electric, Hyundai Heavy Industries, ABB**, and others.

These tests are conducted using specialized fault simulators supplied by the respective manufacturers. The tests we carry out include overcurrent, short circuit, and various other assessments.





ABB

PR010/T

Emax Series (1st & 2nd generation)

- E1, E2, E3, E4



HYUNDAI

UPR

UAN & HGN Series

- UAN08, UAN12, UAN16, UAN20, UAN25, UAN32
- HGN08, HGN12, HGN16, HGN20, HGN25, HGN32



SCHNEIDER ELECTRIC

TRV00910 Maintenance Case

Compact Series

- NSX 100A, NSX 250A, NSX 400A, NSX 630A



TERASAKI

ANU-1

TemBreak 2 Series (1st and 2nd Generation)

- AR 208S, AR 212S, AR 216S, AR 220S, AR 325S, AR 332S



HYUNDAI

HOCS

HiAN Series

- HiAN-06, HiAN-08, HiAN-12, HiAN-16, HiAN-20, HiAN-25, HiAN-32

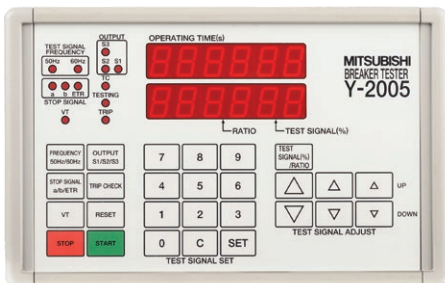


SCHNEIDER ELECTRIC

FFTK Full Function Test Kit (MERLIN GERIN)

Masterpact Series

- NW06, NW08, NW12, NW16, NW20, NW25, NW32, NW40
- NT06, NT08, NT10, NT12, NT16



MITSUBISHI

Y-2005

SUPER AE & WORLD SUPER AE Series

- AE630-SW, AE1000-SW, AE1250-SW, AE1600-SW, AE2000-SW, AE2500-SW, AE3200-SW
- AE630-SS, AE1000-SS, AE1250-SS, AE1600-SS, AE2000-SS, AE2500-SS, AE3200-SS



ABB

Ekip TEST & PROGRAMMING UNIT

Emax (2nd generation) & Emax2 Series

- E1, E2, E3, E4



LS

OCR TESTER

Metasol & Susol Series (1st Generation)

- AH06D, AH08D, AH10D, AH13D, AH16D, AH20D, AH25D, AH32D
- AN06D, AN08D, AN10D, AN13D, AN16D, AN20D, AN25D, AN32D



LS

OCR TESTER

Metasol & Susol Series (2nd Generation)

- AH06D, AH08D, AH10D, AH13D, AH16D, AH20D, AH25D, AH32D
- AN06D, AN08D, AN10D, AN13D, AN16D, AN20D, AN25D, AN32D



AKTOMECH

PRIMARY INJECTION TESTER

This portable tester, developed by Aktomech engineers, delivers a maximum output of 2000 Amprs and is compatible with circuit breakers from all manufacturers.



AktoMech

72, Chrisostomou Smirnis Str. Piraeus Greece
Tel: (00 30 210) 4131258, (00 30 210) 4221692
info@aktomech.gr | www.aktomech.gr