

# AktoMech

## PRODUCTS & SERVICES CATALOGUE



### ELECTRIC MARINE & AUTOMATION SERVICES

Member of W.I.M.A.







**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**



SP-13615 2-3405  
450VAC Ver.02r 020



## 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)



**Specs®**  
www.SPECSVISION.COM

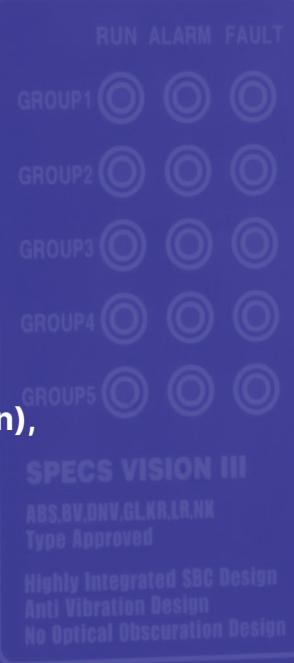
OIL MIST DETECTOR

CE

# 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**



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

### VZRAB

#### 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").

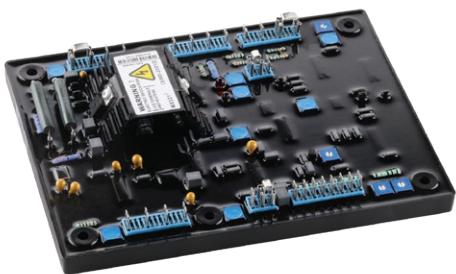


## STAMFORD

### 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.



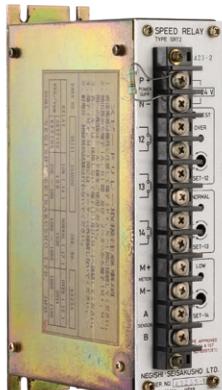
**DAIHATSU**

**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:4-20mA 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.





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