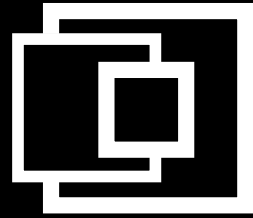


Osai Automation Systems

 **OSAI A.S. S.p.A.**
Via Cartiera, 4 - 10010 Parella (TO) - ITALY
Tel: +39 0125 66.83.11
Fax: +39 0125 66.83.01
sales@osai-as.com - www.osai-as.com



NEOHANDLER
TEST HANDLER SOLUTION FOR SENSORS

Up to 20.000 UPH



Modular • Configurable • Scalable • Reusable

MICROPHONES & SPEAKERS



KEYPOINTS

Suitable for:

Mems microphones, Mems speaker, voice coil micro-speakers, dual armature speakers, optical microphones

Input/output media

Jedec trays, Tape and reel, direct die feeding

Bin Formats

Bin boxes, 4" waffle trays

Test Handler capability

Up to 35 independent sites

Per picker handling technology

≤ 1/10K jam rate

Compact footprint

Low index time, High throughput

Acoustic stimuli:

- Per site Individual stimuli unit
- Modular test socket architecture
- High SNR test capability (up to 80dB)

Production traceability feature available



MAGNETIC



KEYPOINTS

Suitable for:

Geomagnetic sensors, angular sensors, hall effect sensors, speed sensors

Input/output media

Jedec trays, Tape and reel

Bin Formats

Bin boxes, 4" waffle trays

Test Handler capability:

- Up to 280 independent sites (ping pong configuration)
- Per picker Handling technology
- ≤ 1/10K jam rate
- Compact footprint
- Low index time, High throughput
- Amagnetic pick-up and contacting units

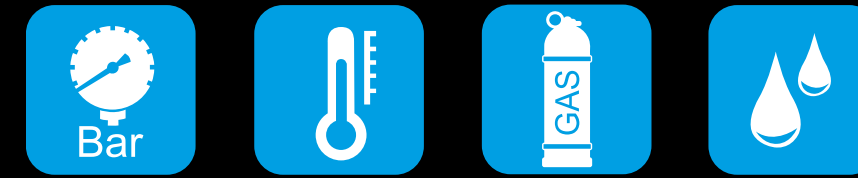
Stimuli unit

Integrated on handler working area (ATE Head hard docking)

Production traceability feature available



ENVIRONMENTAL



KEYPOINTS

Suitable for:

Pressure sensors, temperature sensors, GAS sensors, humidity sensors, waterproof pressure sensors, differential pressure sensors

Input/output media

Jedec trays, Tape and reel, direct die feeding

Bin Formats

Bin boxes, 4" waffle trays

Test Handler capability:

- Up to 280 independent sites (ping pong configuration)
- Active vacuum pressure control from 1 to 0 bar (g)
- Per picker Handling technology
- ≤ 1/10K jam rate
- Compact footprint
- Low index time, High throughput

Temperature stimuli:

- Standard and automotive temperature range
- High precision dynamic soak technology, up to 4°C/sec



Pressure stimuli:

- Pressure range: from 0 up to 2 bar (a)
- Fast settling time (up to 3 pre-pressurized tanks available as option)
- Configurable controller according to the accuracy required

GAS stimuli:

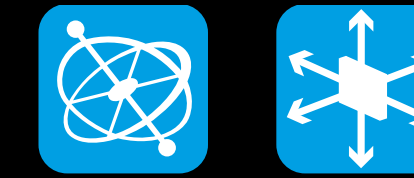
- Up to 4 GAS lines inlets
- Supported Gases: CO₂, Isobutylene, Hetanol, Methane
- Automatic flushing procedure for Gas change
- 2 Programmable working mode: Constant GAS Atmosphere, Pressurized GAS Atmosphere

Humidity stimuli:

- Range: 0...95% RH
- Accuracy: ±4% RH , ±1% Flow
- flow rate up to 10l/min
- 2 Programmable working mode: Constant Humidity flow, Pressurized humid Atmosphere

Production traceability feature available

ACCELEROMETERS & GYROSCOPES



KEYPOINTS

Suitable for:

Low g accelerometers, gyroscopes, high g sensors

Input/output media

Jedec trays, Tape and reel

Bin Formats

Bin boxes, 4" waffle trays

Test Handler capability:

- Up to 280 independent sites (ping pong configuration)
- Per picker Handling technology
- ≤ 1/10K jam rate
- Compact footprint
- Low index time, High throughput

Stimuli:

- Section acceleration / directions X, Y, Z in combination
- Acceleration range ± 1 g
- Time to reach max acc. 0° ÷ 90° : <400 ms
- Position accuracy of DUT acceleration: 0,04° in gravity field or 0,75 mg
- Position stability: < 0,05°
- Max speed: 360°/s
- Speed stability: ± 1°/s
- Floor noise damping(0 - 1000 Hz, XYZ direction, RMS): -30 dB

Production traceability feature available

