

APOLLON

Tri temp test handler for
6DOF inertial sensors



Acceleration >



Gyro >



Temperature >



Combo >

APOLLON – one testing platform from Laboratory to volume production

- > a combination of inertial stimulus unit, temperature chamber, automatic material handling and Sequencer program for handler & tester control
- > deep integration of tester electronics is available
- > parallelism up to 96 DUT
- > low maintenance need
- > 24/7, high uptime

APOLLON – for automotive and industrial applications

- > low-g 3-ax accelerometers, 3-ax gyroscopes and IMUs over temperature
- > up to four Lead frames/ strips/ carriers in parallel
- > singulated sensor packages (SOIC, ceramic, pre-molded cavity) with carrier
- > large soaking capacity for long soaking time without losing capacity
- > excellent DUT temperature uniformity
- > fast and economical product change

APOLLON – for high sensor performance

- > mechanical structure provides excellent stimulus accuracy and low noise testing condition
- > two step active alignment for accurate DUT positioning
- > cross-axes error measurement for high accuracy sensor calibration
- > short signal path – no moving measuring cables
- > short and smooth material handling process – no pick & place

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MAIN FEATURES

HANDLER PROPERTIES

- > 1-Axis turning range 0..360°
- > 2- Axis turning range 0..360°
- > 1- and 2-axis yaw rate 1-300°/s range
- > Strip/carrier width 1"-2.3"
- > Strip/carrier length 150 – 250 mm
- > Temperature chamber - 50 ... + 150 deg C

OPTIONS

- > Magazine code readers
- > Strip/Carrier 2D matrix readers
- > Measuring Nest (product specific contacting unit)
- > Afore Sequencer – Test Cell master control program

VERSIONS

- > Stimulus unit with one or two rotating axes
- > Automatic versions with or without temperature chamber. Magazine to magazine handling
- > Manual versions with or without temperature chamber. Manual loading of socket PCBs/carriers/ strips

TESTER AND USER INTERFACES

- > Temperature isolated enclosure in the vicinity of DUTs, no moving cables. Room for example 9 slot PXI-chassis
- > TCP/IP remote control interface
- > 12" color touchscreen with descriptive graphics for handler manual control

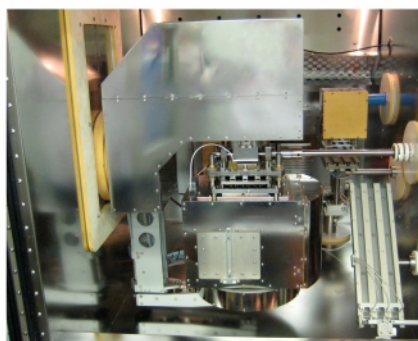
INFRASTRUCTURE

- > Dimensions WxDxH 3.2x2.8x2.4 m
- > Weight (fully equipped) 2500 kg
- > Pressurized air >6 bar
- > Cooling water TBN
- > Power (Europa, China) 400 V / 32 A / 50 Hz
- > Option for power (US) 480 V / 32 A / 60 Hz

APOLLON model 1TM



APOLLON inside temperature chamber



APOLLON dimensions

