

Next Generation Test Solutions

Modular System Test Bench STB



HYDAC System Test Bench – as flexible as the software you are testing

STB – that's the next generation of highly integrated and scalable test systems. Usable for safety-compliant validation of high-channel domain ECUs applications.

The HYDAC System Test Bench facilitates Hardware-in-the-Loop (HIL) testing. It not only simulates your sensor environment but also comes with an integrated, switchable and highly accurate simulation of (resistive and inductive) electronic loads on all output channels.

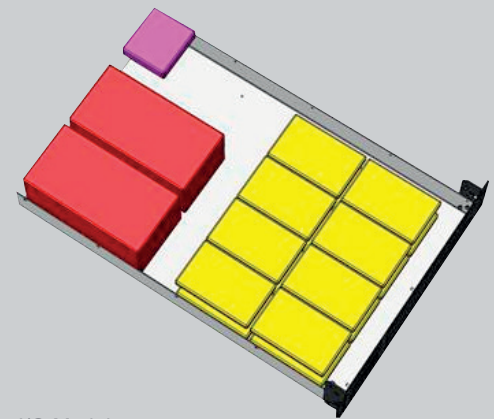
You've had trouble with fast growing projects? Not with us! **The STB grows with your needs:** The Bench is scalable and easily expandable for multi-ECUs E/E architectures. Expand it as desired with additional slaves. Just Plug & Play!

Save time, reduce time to market: The HYDAC System Test Bench streamlines the testing process, making it easier and more efficient.

Product features at a glance

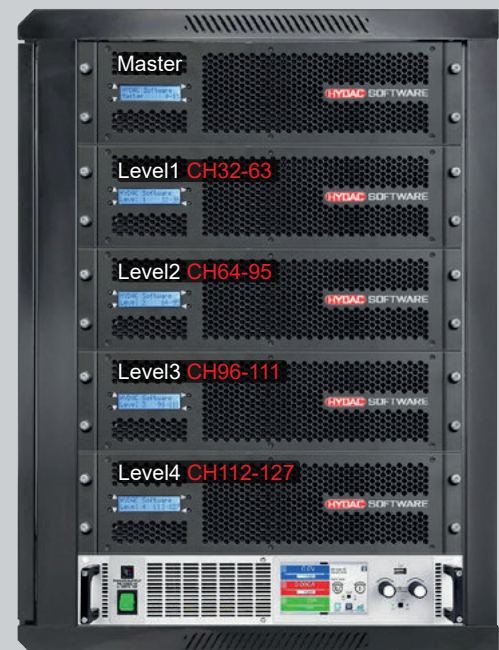
- **Extendable modular concept**, standardised I/O-Unit for 19" rack
- **All channels synchronised at entire Test Bench**
- **Highly configurable pins allows easy project swapping**
- **Switch seamlessly between input and output simulation with just one click – for ultimate flexibility and efficiency in your testing process.**
- **Each I/O Module has:**
 - Voltage, current and resistance simulation
 - Frequency, PWM and clock pulse generation
 - Sensor Emulation: DSM, frequency, SENT, clock sensors
 - Short-circuit simulation to any other channel and supplies
 - Fault injection **to any other channel** and supplies
- **Additive Load:**
 - Resistive load simulation with either 50W / 150W per channel
 - Optional Inductive Load Simulation w/o Feedback

Flexible system design



- I/O Module
- 8 x 150W Load
- SysCom-Module

Extendable modular concept: Grows with your needs



Are you interested?

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