

Electro hydraulic servo test stands

HSVTS



The test stands are designed to perform maintenance tests on electro hydraulic servo valves according to the OEM standard SAE ARP490 and ARP490B. These systems are fully computerised to provide maximum control efficiency, leading to repeatability of test procedures and accurate test results.

The test stands include following subassemblies:

- Control manifold with instrumentation
- Frequency response cylinder
- Test station cubicle
- Computer control console
- Mobile trolley on 4 casters

HSVTS

The HSVTS is suitable for following tests:

- pressure gain
- polarity
- null bias
- full flow gain loaded and unloaded
- threshold
- frequency response
- hysteresis
- internal leakages
- proof pressure test
- Step response

Main technical features

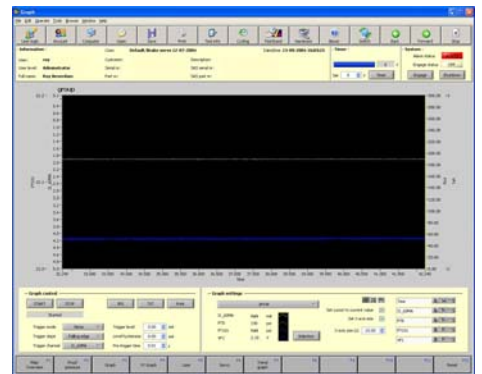
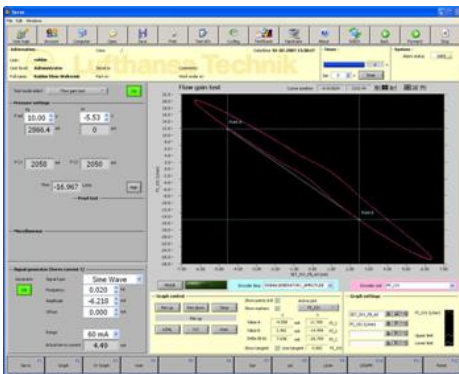
Test station cubicle	: with mounting pattern type D interface and subplates for type A1, A2, B and C. 3 port servo valves over adapter plate.
Accuracy flow meter	: 0.5 % of measured flow.
Accuracy pressure transducer	: 0,25 % of full scale.
Temperature accuracy	: 0.5°C.
Analogue inputs	: 16 bits / 333 ks per second.
Analogue outputs	: 12 bits / 1000 ks per second.
Control system	: Hycom "Advantouch" control system with manual, semi automatic and full automatic mode.
Data acquisition system	: National Instruments.
Software environment	: Windows XP Professional/Labview.
Servo current stages	: ± 10 mA, ± 30 mA, ± 60 mA.
Accuracy servo current	: 0,1% of reading per stage

Hycom model code:

<u>Test stand version</u>	<u>Fluid type</u>	<u>Design number</u>	<u>Options</u>
HSVTS	C = phosphate ester L = mineral oil	38410	

Options:

- F = Console fixed in stead of mobile
- H = Hydraulic power pack
- SA = Servo assemblies included



the
Strength of
Simplicity

HYCOM
hydraulic systems

