

Computer Controlled Hydraulic Impulse Hose Testing Machine

Designed for, but not limited to the following:

- VDA AK-LH-03
- Chrysler PF-7785
- Ford WSA-M96D36
- Ford ESA-M2D17-B
- Ford ES-3M51-3A212-AB
- G.M. ESA-M2D17-B
- SAE J-2044
- ISO 6803

Performs tests requiring the following functions:

- Heating of air temperature to 150° C
- Heating of fluid to 150° C
- Pressure pulsing of fluid to 3000 PSI.
- Cooling of air temperature to -40° C

Key features:

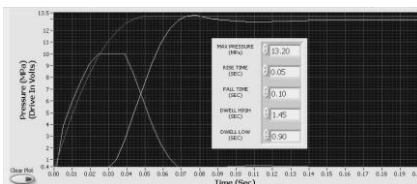
- Separate test fluid and hydraulic system
- Servo controlled pressure intensifier
- Data Acquisition and storage with computer
- External venting of air for safety (no high temperature fumes)
- Tests up to (18) hoses
- Test editor up to 25 steps, stored PID for each step, and test file storage
- High ramp-rate capability (0.05s from .7mpa to 13.4mpa at-15 deg C)
- Small footprint



Using a proven concept, DTE has refined this hose testing machine to provide unparalleled safety and performance. The machine interface allows the operator to quickly set up tests, calibrate the system, and run stored test files. A vented chamber eliminates the possibility of an explosion from the buildup of test fluid vapors in the environmental chamber. Performance is enhanced by using a robust intensifier with a built-in servo valve. The built-in servo valve improves performance by increasing the natural frequency of the system. A special valve with lower hysteresis and threshold provides higher accuracy than a standard flapper-nozzle valve in this pressure control application.

Services required:

- 200 amp 460VAC electrical drop
- Cooling water



STEP	OIL TEMP	CHAMBER TEMP	FLOW ENABLE	AIR TEMP ENABLE	CYCLING ENABLE	MINIMUM PRESSURE (MPa)	RISE TIME (SEC)	FALL TIME (SEC)	DWELL HIGH (SEC)	DWELL LOW (SEC)	SWN SET	LINK TYPE	LINK VALUE	DATA ACQUIRE	LINK UNITS	PULSE RATE
CURRENT 4	15	18	ON	ON	ON	13.20	0.05	0.10	1.45	0.90	1	CYCLES	200	ON		24
NEXT 5	20	20	ON	ON	ON	13.20	0.12	0.10	1.30	0.90	1	ENG OIL TEMP	20	ON	DEG C	24

