



FORWARD TECHNOLOGY

a Crest Group Company



(shown with optional features)

EH-BT

Electronically Controlled Hydraulic Burst Tester

The EH-BT is an electronically controlled, self contained hydraulic (glycol/water) based burst testing system designed for sample testing applications requiring the highest degree of precision. We offer testers capable of testing fluid pressures up to 750 PSI or 1500 PSI.

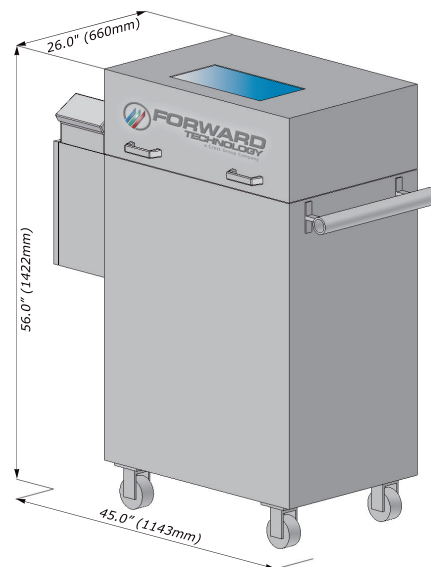
The system allows user programmed pressures, ramp rates, and pass/fail limits adjustable digitally in 1.0 PSI increments and has the built-in capacity for cyclical testing if desired.

Standard Features

- **Electronic Programming & Control** allows user precise and consistent control of ramp-up pressure and speed for burst, as well as parameters for cyclic testing if desired.
- **PLC Programmable Controller with Color Touch Screen HMI** simplifies parameter input and allows the following to be displayed and programmed digitally:
 - Displays Actual:
 - Fill Time
 - Burst Time
 - Current PSI
 - Burst PSI of Event
 - Cycle Number
 - Allows Programming of the following Variables:
 - Fill Time
 - Max Burst PSI
 - Max Burst Time
 - PSI Drop (for Burst Event)
 - PSI / Min (Ramp Rate)
 - Number of Repeat Cycles (Cyclical Test Mode)
 - Hold Pressure Time (Static Testing)
- **Multi-Level Passcode Protection** limits parameter adjustment to qualified personnel only.
- **0-750 or 0-1500 PSI Electronic Pressure Transducer** allows burst testing of a wide range of products.
- **Pressure Control via Electronic Proportional Regulator** allows user to digitally program pressure settings in passcode protected memory. Digital control improves test accuracy and repeatability.
- **Heavy-Duty Stainless Steel Enclosure with Lexan Viewing Window** provides maximum personnel protection while allowing user to safely view the test part while pressurized.
- **Compact Design with Self-Contained Liquid System** minimizes floor space. Filtered re-circulatory operation eliminates need to connect system to an external fluid/water supply.
- **Safety Interlock Switch and Captured Lock on Hinged Access Door** prevents opening of enclosure while test part is under pressure.
- **Heavy-Duty Locking Casters** allow relocation of the equipment with minimal mechanized assistance.

Optional Features

- Larger Mono or Color Graphical Operator Interface and PLC Upgrade
- Custom Programming
- Remote Access Internet Connection Router
- Individual User Passcode Login
- Bi-lingual User Interface Panel
- Bi-lingual Equipment Manual
- Audible Alarm
- Data Acquisition Program & 4G MicroSD Memory Card



MECHANICAL SPECIFICATIONS

Weight Empty:	~500 lbs (227kg)
Weight Full:	~550 lbs (250kg)
Overall Dimensions:	26.0" D x 45.0" W x 56.0" H (660mm x 1143mm x 1422mm)
Part Test Chamber:	20.5" D x 30.5" W x 19.9" H (521mm x 775mm x 505mm)

PERFORMANCE SPECIFICATIONS

Fluid Pressure Ranges:	0.0 – 750.0 PSI (0.0 – 51.7 Bar) 0.0 - 1500.0 PSI (0.0 - 103.4 Bar)
Fluid Type:	Glycol/H ₂ O Mix
Fluid Capacity:	5.0 G (18.9L)
Warranty:	1 Year (Parts & Service)

SYSTEM REQUIREMENTS

Electrical Requirements:	120VAC, 15A, 1-Phase, 60 Hz
Pneumatic Requirements for 0 - 750 PSI Fluid Pressure Range:	80 PSI, 0.375" ID (5.5 Bar, 10mm ID) Supply Line
Pneumatic Requirements for 0 - 1500 PSI Fluid Pressure Range:	95 PSI, 0.375" ID (6.5 Bar, 10mm ID) Supply Line

Both systems includes Filter & Regulator



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