

# EUI Poptest HH705



**HH705**

# EUI Poptest HH705

The HH705 EUI Poptest provides a means for service workshops and garages to carry out functionality testing of new, repaired and remanufactured EUI's, checking for leaks, spray pattern, basic solenoid operation and nozzle opening pressure (NOP).

Available as HH705, incorporating Testmaster 3 and EUI Poptest; or HK862(W), to upgrade an existing Testmaster 3.

## Main Features

- EUI controller
- Mechanical fixturing, providing injector plunger operation
- Quick release type fuel connectors
- Allows assessment of spray pattern, solenoid operation and NOP
- Automatic spring rate measurement
- Can be used with HH720 2 stagemaster and Hartridge Common Rail signal boxes



**Figure 1** HH705 Spray pattern testing



**Figure 2** HH705

## Benefits

- Cost effective solution
- Easy to fit and remove EUI's for testing
- Quick to determine new, repaired and remanufactured injectors condition
- Tests major OEM single solenoid operated EUI's

# Product Matrix

The chart below is an overview of the application kits required to test the various designs of EUI. For specific application data refer to the appropriate **Hartridge** technical bulletin.

Vehicle Manufacturer	Detroit Diesel (Series 60)	Volvo	Audi/VW Seat Skoda	Caterpillar C10	Iveco Cursor 10/13	John Deere	Caterpillar 3406 C15	Iveco Cursor 8	Scania	Cummins Celect	Land Rover	Caterpillar 3176 C12
HH705 or HK862+HH701	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HS254 CAT Flow Valve				✓			✓			*		✓
HK831	✓											
HK832		✓										
HK833			✓									
HK834				✓								
HK835					✓							
HK832						✓						
HK836							✓					
HK837								✓				
HK838									✓			
HK839										✓		
HK840											✓	
HK841												✓

\* Refer to technical bulletin

TECHNICAL SPECIFICATION	
<b>User Interface</b>	Testmaster 3 HH701 Control Keypad & Display*
<b>Pressure Reading</b>	0 to 500 bar
<b>Resolution</b>	1 bar
<b>Accuracy</b>	'Typically' +/- 1% of fsd unless stated differently in the specific injector application sheet
<b>HH705 Repeatability</b>	'Typically' +/- 1% of reading unless stated differently in the specific injector application sheet
<b>HH701 (normal operation)</b>	Accuracy +/- 1% of fsd*
<b>High Pressure Pipe Connector</b>	m14 x 1.5 (as supplied with the Testmaster 3 HH701)
<b>Electrical Supply</b>	110/220-240 VAC/3A 50/60Hz (2 power points required)
<b>Air Supply</b>	5 to 6 bar, recommended air supply pipe diameter 10mm
<b>Footprint</b>	58cm x 70cm x 56cm
<b>PC/Printer</b>	RS232 connection

\* Refer to Testmaster 3 HH701 brochure for full details on operation of the HH701 for single stage and CR injectors.

## Complementary Products



**Figure 3**  
Testmaster 3 HH701



**Figure 4**  
2 Stagemaster HH720



**Figure 5**  
Common Rail Injector Signal Boxes  
HK850-HK853 IFT-c



**Figure 6**  
NTA4500 series of nozzle pop test adapters

# HK862 (Upgrade HH701)

- EUI Fixture
- EUI controller
- Pneumatics back panel
- Software upgrade
- Fitting instructions



## HH701 UPGRADE PATH

<b>HH701 mod A</b>	Not upgradeable
<b>HH701 mod B</b>	HK862 (w)* + HS233 + HS234 +HS253
<b>HH701 mod C</b>	HK862 (w)* + HS253
<b>HH701 mod D</b>	HK862 (w)* + HS253
<b>HH701 mod E onwards</b>	HK862 (w)*

\* HK862W – **Recommended upgrade path:** Customer HH701 returned to Hartridge for upgrade and test. (excludes freight and packing).

\* HK862 – Customer HH701 upgraded on site, upgrade to be performed by Hartridge distributor at additional cost.

## Additional Accessories

- HK810 Serial printer kit
- NTA4500 series EUI nozzle Poptest adapters (Contact Hartridge Distributor for latest details)

## Ordering

- HH705 EUI Pop test
- Application specific Items (see product matrix)
- EUI Poptest HK862W (works fitted kit)
- EUI Poptest HK862 (retrofit kit)

## Shipping

	<b>Gross Weight</b>	<b>Nett Weight</b>	<b>Case Size</b>
<b>HH705</b>	85kg	52kg	84 x 66 x 76cms
<b>HK862W</b>	85kg	52kg	84 x 66 x 76cms
<b>HK862</b>	26kg	23kg	60 x 52 x 50cms

Contact your local **Hartridge™** distributor  
for more detailed information or visit

[www.hartridge.com](http://www.hartridge.com)



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