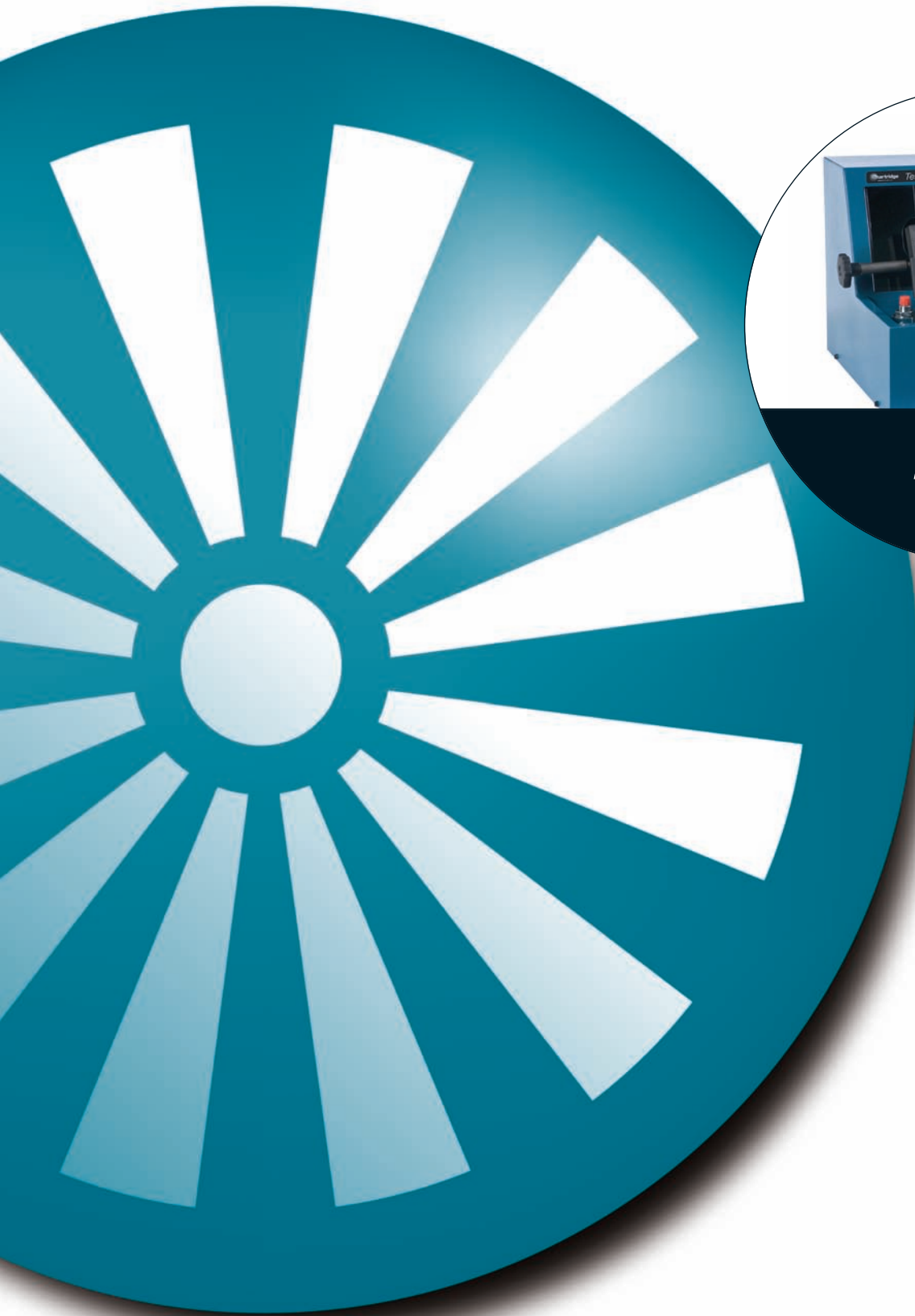


Testmaster 3

HH701



# Testmaster 3 HH701

The **Hartridge™** Testmaster 3 HH701 is pneumatically operated, incorporating an LCD display and sophisticated menu driven software for analysing injector nozzle performance. The Testmaster 3 HH701 is compact in size, easy and flexible in use, and permits test results to be stored and recorded via an external PC/printer.

## Main Features

- Air operated pumping action.
- Tests most types of automotive injector up to 500 bar pressure.
- Illuminated spray chamber for examination of injector spray.
- Air operated continuous fume extraction of the spray chamber.
- Keypad for data entry such as company name and test plan information.
- Pressure reading displayed both digitally and an analogue bar graph on back-lit LCD display.
- Back leakage timer.
- Pass/fail indication.
- Fluid temperature compensation.
- Date and time indication.
- Flow control valve.

## Benefits

- Digital display enables better accuracy.
- In accordance with ISO 8984-1 and ISO 8984-2 standards.
- Reduced operator fatigue.
- Menu driven software for ease of use.
- Injector test plan facility (up to 200 memory locations).
- Automatic pass/fail indication when the test plan facility is used.
- Easy access to injector test plans.
- Traceability of injector test results.
- Offers outstanding value for money.
- Flow control to detect injector chatter.

TECHNICAL SPECIFICATION	
<b>Pump</b>	Air operated high pressure intensifier with electrical isolator.
<b>Pressure Reading</b>	Up to 500 bar. Other pressures such as atm, psi, kg/cm <sup>2</sup> can also be selected.
<b>Scaling</b>	To 1 bar.
<b>Accuracy</b>	+/- 1.0% fsd.
<b>Timer</b>	Back leakage timer shown on the LCD display.
<b>Pass or Fail Indication</b>	Programmed limits displayed on the LCD display.
<b>Filter</b>	Paper type 5 micron filtration with easy access for replacement.
<b>Tank</b>	3 litres capacity with self-draining facility.
<b>Fume Extraction</b>	Air operated with external vent, air consumption 0.05 to 0.14m <sup>3</sup> per minute.
<b>Internal Electrical Supply</b>	12 volts via a universal power supply.
<b>Light Fitting</b>	Low voltage (12V) bulb with simple fitting.
<b>Quick Action Injector Clamp</b>	Accommodates injectors from 17.8mm to 33mm diameter, e.g. P, R and S size.
<b>High Pressure Pipes</b>	Two pipes supplied one with M12 x M14 nuts, the other with M14 x M14 nuts.
<b>Electrical Supply</b>	Connects to any single phase supply (e.g 100-240Vac, +/-10%, 47- 63Hz) using an International adaptor plug with a built in transformer. Suitable for EU, UK, US, Canadian and Australian standards.
<b>PC Connection</b>	Testmaster 3 is fitted with an RS232 port allowing connection to an external printer/PC.
<b>Air Supply</b>	A clean air supply of 3 to 6 bar pressure is required.
<b>Footprint</b>	58cm x 58 cms.

# Complementary Products



**Figure 1** 2 Stagemaster HH720.



**Figure 2** IFT-C

## Additional Accessories

- HK801 quick action nozzle clamp for testing P, R and S nozzles independently of their injector bodies.
- HK802 quick action nozzle clamp for testing T nozzles.
- HK810 Serial printer kit.

## Ordering

HH701 is supplied complete with an injector clamp, two high pressure pipes and electrical transformer.

## Shipping

**Gross Weight:** 56 kg

**Nett Weight:** 38 kg

**Case Size:** 75 x 66 x 63 cms

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Contact your local **Hartridge™** distributor  
for more detailed information or visit  
**[www.hartridge.com](http://www.hartridge.com)**



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Continuous development is taking place. **Hartridge™** reserves the right to alter the design and/or specification without prior notice.

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