

## 2 Stagemaster HH720



# 2 Stagemaster HH720

The 2 stagemaster HH720 is a cost effective easy to use module for testing two stage injectors. The HH720 is used in conjunction with either the Testmaster 2 HH700 or Testmaster 3 HH701 injector testers. The 2 Stagemaster HH720 features an LCD display and simple automatic controls to determine the second stage opening pressure (NOP2). The first opening pressure (NOP1), spray pattern, back leakage, front leakage are checked using the Testmaster 2 HH700 or Testmaster 3 HH701.

## Main Features

- Nozzle Opening Pressure (NOP2) cannot be detected by measuring only pressure or only flow. Similarly injected delivery alone does not give an indication of Nozzle Opening Pressure (NOP2).
- Measures flow over a range of pressures to establish a true Nozzle Opening Pressure (NOP2) value.
- Measures injected flow at the first stage and second stage needle lift to confirm the actual change in nozzle flow rate.

## Additional Features

- Integrates with Testmaster 2 HH700 and Testmaster 3 HH701.
- The Nozzle Opening Pressure (NOP2) pressure is displayed on the LCD screen.
- Simple automatic operation.
- A selection of pre programmed test plans to test popular injector applications.
- A guided facility for the operator to program further test plans.

## Benefits

- Efficient method of establishing Nozzle Opening Pressure (NOP2) without having to remove the injector from the host Testmaster and with no time consuming test bench set up.
- Quick and easy to use.
- Enables the flow and second stage opening pressure of all two stage injectors to be verified without having to dismantle the injector or isolate the first stage lift.
- Creates opportunities for servicing two stage injectors in diesel workshops.
- Can be used as a comparator when injector test data is not available.

## Technical Specification

- Pressures; Up to 500 Bar. Units selectable bar, MPa, kPa, atm, psi, kg/cm<sup>2</sup>.
- Accuracy; NOP2 to +/- 5 Bar.
- Resolution; To 1 Bar.
- Construction; Steel monocoque and cover.
- Electrical supply; 110/240V 50/60Hz.
- Air Supply; 5 bar minimum 10 bar maximum
- Two RS232 ports allowing PC and printer connection.
- Footprint; 27cm x 66cm.

# Complementary Products



**Figure 1** Testmaster 3 HH701.



**Figure 2** Testmaster 2 HH700.

## Ordering

The 2 Stagemaster HH720 is for use in conjunction with either the Testmaster 2 HH700 or Testmaster 3 HH701\*.

*\*Please note that the 2 Stagemaster HH720 will not operate with other types of injector testers e.g. HH601.*

## Shipping

**Gross weight** 54 kgs

**Net Weight** 40 kgs

**Case Size** 77 x 44 x 68 cms

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HH720 (EN) 07/05