

PT2012.CRe

MECHANICAL & COMMON RAIL PUMP TEST BENCH



FEATURES & BENEFITS

● TESTS CR PUMPS

PT2012.CRe is designed to be able to test all types of CR Pumps, including:

- Caterpillar C4- C6
- Denso HP0
- Bosch CP2
- Bosch CP4
- Cummins

● QUICK AND RELIABLE TESTING

PT2012.CRe has 2 metering sensors to measure 2 injector outputs at the same time. This feature helps PT2012.CRe to complete a test of a 6 cylinder inline pump in about 15 min.

It is delivered with all necessary adapters to test:

- Bosch Inline and Rotary type pumps (except H, VP33, VP44)
- Delphi- Lucas Rotary and Inline Pumps (Except Dp200 series and similar semi electronic pumps)
- Denso (Except Semi Electronic Governor controlled TICs and a like)



● ADVANCED MANUEL TESTING MODE

When Testing Common Rail Pumps “Advanced Manuel Testing mode” allow the operator to control all CR pump actuators and design a completly unique test plan.

This new feature therefore permits the users to design custom test steps to investigate various problems that can not be detected with standard test steps.

- Bosch CP1-CP3
- Delphi (1st Generation)
- Denso HP3

The test bench you need to test both diesel pumps and common rail pumps

PT2012.CRe is one of the well proven Mechanical Test Benches in the market. With its capability to test Common Rail Pumps, it sets a distance to its competitors and proves itself investment worthy.

Testing common rail pumps are becoming tough with each new generation of common rail systems. More precise pressure controls, precise metering along with

- Today we all know that we need some equipment to test mechanical diesel pumps as well as common rail system pumps.

Every passing year, we are receiving newer diesel injection systems with different requirements for repair and test.

Maktest has designed PT2012.CRe for testing both old and new systems with

- The most advanced feature for PT2012.CRe is the built- in Common Rail Pump testing capability. The test bench is designed to test common rail pumps, and is delivered with the rail block and necessary attachments.

With its new Dual Metering System, PT2012.CRe measures 2 cylinder's output at the same time. Therefore the measurement is completed within seconds with precision.

TECHNICAL SPECIFICATIONS

Electricity Requirement

380 V A.C. 3 phase 50-60 Hz (no neutral required).

220 V A.C. Single Phase for Computer
Current : 44 Amper
Power : 29 KVA

Air Supply
min 5 bar, min 10L/min, dry and oil free

Test Oil Supply System

- Tank : 50 L
- LP Supply Pump : 9 L/min, max 10 bar
- Heater : 2kW
- Cooling System : Air Cooled,
4 L/min $\Delta T = -5$
 $^{\circ}\text{C}$ between 40- 50 $^{\circ}\text{C}$
- Filter : 5 μ

Packing Dimensions

Width: 1880 mm
Depth: 1000 mm
Height: 1770 mm
Weight: 800 kg

Machine Dimensions:

Width: 1580 mm
Depth: 840 mm
Height: 1570 mm
Weight: 670 kg

High Pressure System

- HP Pump Motor : 15 kW. Speed Control between 50-3500 rpm.
- Max Pressure : 2200 bar
- Pressure Regulator : Bosch



Instrumentation

- HP Sensor : Bosch 2200 bar (on the rail) 1 bar Resolution, 1% Accuracy.
- Flow Sensor : Gear Type; 0-4000 mm³/rev, 1 mm³/rev Resolution, 1% Accuracy.
- LP Supply Pressure : 0-10 bar, 0.1 bar Resolution, 0,1% Accuracy
- LP Return Pressure : 0-10 bar, 0.1 bar Resolution, 0,1% Accuracy
- Lube Oil Pressure : 0-15 bar, analogue, 7% Accuracy
- Temperature : 15-120 $^{\circ}\text{C}$, 0.1 $^{\circ}\text{C}$ Resolution, 1% Accuracy

Optional Accessories and Tools Recommended

KO1475 Clean Bench for Electronic Injector Repair, Including Injector Clamp and Ultrasonic Cleaner
KO1560 Torque Wrench Digital DE1382 Ultrasonic Cleaning Tank
KO1558 Hydraulic swieving arm for dissamble

Delivered Accessories With This Product

AP1689 CP2 BOSCH CP3 PUMP SCV CABLE

AP1693 HP3 SCV VALVE CABLE

AP1694 CP1-SIEMENS-DELPHI PUMP CABLE

AP1731 CP1 MERCEDES CABLE

AA1194 COUPLING 17mm DIA

AA1193 COUPLING DPS (DOG DRIVE)

AA1257 COUPLING PULLER FOR DIA 96

AA1379 COUPLING PULLER FOR DIA 110

KO1528 DIGITAL RACK MEASUREMENT DEVICE

AA1698 COUPLING Ø22-LONG

AA3070 LONG COUPLING 25mm DIA

AA3071 LONG COUPLING 30mm DIA

AA1976 COUPLING 35mm DIA

AA1473 COUPLING SPANNER

KO1356 DENSO FLANGE ADAPTOR COMPLETE

KO1467 SIEMENS PUMP COUPLING COMPLETE

LEARN MORE: COMMON RAIL TESTING 



About Us

Since its establishment in 1981, our company has been producing CR test equipment, HEUI test equipment, EUI injector and pump test equipment, mechanical test equipment and devices that can diagnose faults with close to one hundred percent accuracy, and has a dealer network that organizes its sales to the whole world.

Started the production of 9 types of turbochargers, which are modules of diesel vehicles and appeal to 68 different model vehicles with 1.3, 1.4, 1.5 and 1.6 liters.



Technical Support

To get help from our technical support, simply contact us today. The expert technical team responds quickly to all service requests registered on the web page.



Reach To Dealer

Maktest is located in İzmir, Turkey. We work with our authorized dealers to provide fast and perfect service in our sales, installation and after-sales services to the whole world. You can contact us via our website to learn about Maktest dealer near you.



Universal Solutions

All makes injector and pump testing



Maktest Warranty

Defect and malfunction coverage



Always Up-to-date

Continuously develops software for better test results

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