

repairing the future...

TK1026.04

ALL-MAKES COMMON RAIL INJECTOR TESTER

TK1026.04, 4th version of TK1026 family, is more than a test bench with its new electronic drive system and many updated features.

The new electronic drive system and CR1 test control software are faster and capable to measure bigger injectors up to 1000 mm³/stroke. Another new feature is a improved temperature control, providing more accuracy in injector fuel readings.

Maktest provides its customers;

- Updated information concerning test and repair instructions,
- Latest version control software and drivers,
- User's manuals and troubleshooting guides,
- Repair manuals for repairing various common rail injectors.

TK1026.04 control software has more than 600 injector test plans for Bosch, Delphi, Denso, Siemens and Caterpillar common rail injectors. Software and database is upgraded periodically and new models, types or new makes common rail injectors are included as they appear in the market.



Best Accuracy,
Best Investment,
Best Performance..



MAKTEST DIESEL
INJECTION TEST AND
REPAIR SOLUTIONS



TK1026 Injectester CRI is more than a test bench with its fast measurement system and many updated features.

The measuring system is even faster and capable to measure high flow injectors upto 1000 mm3/stroke.

Another new feature is improved temperature control, providing more accuracy in injector fuel readings.

- Updated information concerning test and repair instructions,
- Latest version control software and drivers,
- User's manuals and troubleshooting guides,
- Repair manuals for repairing various common rail injectors.

New TK1026 Control Software allow users to create their own test plans easily based on templates and injector generations.

The software has advanced features to program the drive signal with 11 parameters as to apply exact signal as on the vehicle.

New simplified & fast injector clamping

High flow output for optimum high & low pressure.

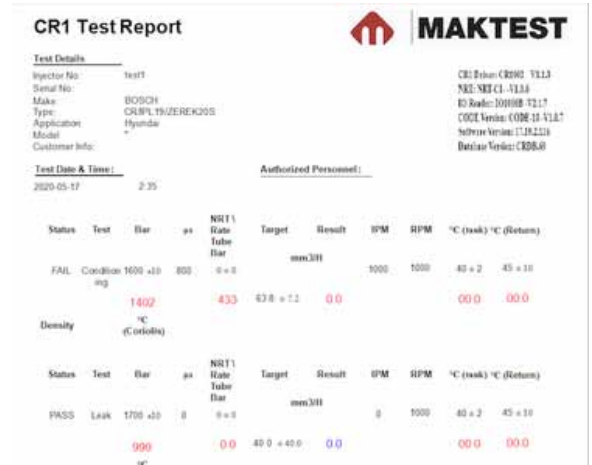
Fast test five minutes per injector.

Temperature monitoring & Controlling.

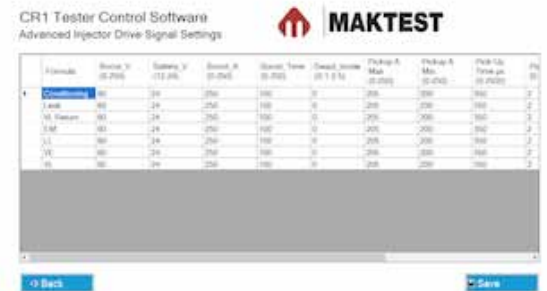
With a variety of functions that can be upgraded you are able to unlock future return on investment for your workshop.

Whatever your needs, the TK1026.04 ensures the highest standards of common rail injector testing capability are achieved.

Whether your requirement is for a fast & accurate function tester or a repair-quality evaluation of injector performance.



CR1 Test Report as PDF File



Advanced Test Plan Creator



Test Screen Image





Home Screen of TK1026.04 CR1 Test Control Software

Electricity Requirement

3 Phase Voltage Options

200-240V

360-415V

50-60Hz

220V AC 50-60Hz Mono Phase for Computer.

High Pressure System

HP Pump : Bosch Cp3 or Denso HP3 HP Pump

Motor : 4 kW . 1400 rpm @ 50 Hz; 1800 rpm @ 60 Hz

Max Pressure : 2200 bar

Pressure Regulator : Bosch

Rail Volume : 28 cm³

Test Oil Supply System

Tank : 27 L

LP Supply Pump : 4 L/min, max 4 bar

Heater Element : 2kW

Cooling System : Air Cooled, 4 L/min $\Delta T = - 5 \text{ }^\circ\text{C}$ between 40- 50 $^\circ\text{C}$

Filter : 5 μ

Instrumentation

HP Sensor : Bosch 2200 bar

Flow Sensor : Gear Type 1000 mm³/stroke @ 1000 Injections per minute

Nozzle ResponseTime (NRT) : Piezo with Acceleration correction. $\pm 10 \mu\text{s}$ Accuracy

Electronics : Maktest CR1

Computer

All-In-One

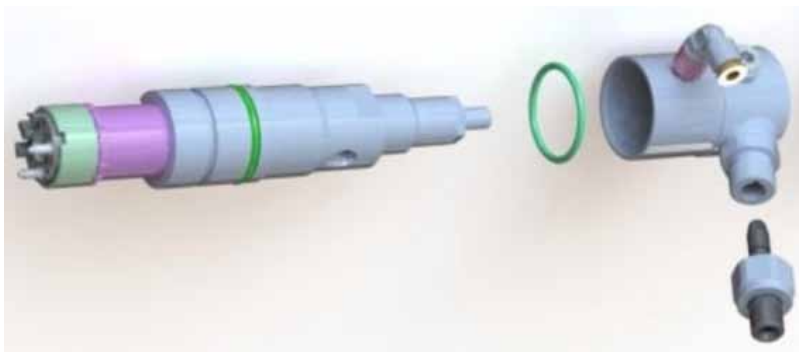
Processor Dual Core 1.86 Ghz or X5 28350 1.44 Ghz

RAM 2GB

HD : SSD 64 GB

Monitor 15" Touch Screen /Wide

OS : Windows 10



KO2005 Scania XPI Fuel Sleeve

Dimensions

Machine Dimensions:

Width: 930 mm

Depth: 650 mm

Height: 1690 mm

Weight: 270 kg

Packing Dimensions:

Width: 1090 mm

Depth: 860 mm

Height: 1890 mm

Weight: 360 kg



Optional Accessories for Various CR

- KO1389 BOSCH (0445 120 064 / 137 / 394)
- KO1723 SCANIA - XPI INJECTOR (575176) (1874424)
- KO1426 DENSO - KOMATSU (275) (0561 09E 0582) (095000-0560)
- KO1427 BOSCH - RENAULT (0445120020)
- KO1428 BOSCH - IVECO/CUMMINS (0445120 113 / 114)
- KO1429 BOSCH - MAN (0445 120 030 / 061 / 202 / 218)
- KO1430 BOSCH - DAEWOO (0445120040)
- KO1431 BOSCH - FORD (0445120025)
- KO1432 DENSO - JOHN DEERE (095000-5480 /5050)
- KO1768 CUMMINS XPI (QSX11.9) (2872127)
- KO1459 DENSO - HYUNDAI (095000-5550)
- KO1462 BOSCH-MAN (0445 120 024 / 044 / 055 / 056)
- KO1472 DELPHI-JAGUAR X400 (EJDR01001D) (EJDR00504Z)
- KO1484 DENSO - JOHN DEERE (7560-07K00201)
- KO1502 DELPHI - MERCEDES - SMART (RA0020109751)
- KO1584 DENSO - ISUZU (095000-6222 09K60394)
- KO1587 BOSCH-KOMATSU (0445 120 007 / 059 / 075 / 123 / 140 / 212 / 250) (F431-4-8965)
- KO1592 DENSO-KOMATSU (PC800) (0562 01L 0516) (095000-1211 09K0047)
- KO1631 BOSCH-CUMMINS (0445 120 070) (0445 120 241) (0445 120 121 - (F2093-02-0370))
- KO1634 DELPHI (EMBR00002D)
- KO1636 SIEMENS - FORD 6.4 L (1875072C91)
- KO1714 BOSCH - VOLVO (0445 120 066 / 067 / 141)
- KO1715 BOSCH-FOTON/SHANQI (0445 120 086)
- KO1716 DENSO-MASSEY FERGUSON (095000-6490)
- KO1718 BOSCH (0445 120 102)
- KO1737 BOSCH - MAN (0445 120 092 / 157)
- KO1767 DELPHI - DAF (1742535)
- KO1830 BOSCH - MAN 0445 120 026/045/098/099/105/147
- KO1860 DENSO - 095000-5450
- MO1105 RETURN ADAPTOR - DELPHI
- AA3459 CR PIPE CONNECT NIPPLE-DENSO INJ
- AP1757 INJECTESTER CR DELPHI INJECTOR CABLE
- BA1351 RETURN CONNECTION NIPPLE
- KO2000 CLAMPING UNIT FOR COMMON RAIL INJECTORS: BOSCH (CRI-CRIN); DENSO; DELPHI;CATERPILLAR
- KO2001 ADAPTER SET FOR L'ORANGE MTU INJECTOR
- KO2002 ADAPTER SET FOR CUMMINS QSK INJECTOR
- KO2003 ADAPTER SET FOR BOSCH MTU 2000 SERIES
- KO2004 ADAPTER SET FOR BOSCH HACR (4 PIN)
- KO1583 CATERPILLAR (320DL-32F61-00062)
- KO1902 Bosch CRIN Injector Adapter suitable for 0445 120 078 and same body size injectors.
- KO1644 ADAPTOR SET FOR BOSCH-GOLDEN DRAGON 0445 120 078



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For more detailed information, contact your Maktest Inc. distributor or visit



MAKTEST DIESEL
INJECTION TEST AND
REPAIR SOLUTIONS

Continuous development is taking place. Maktest reserves the right to alter the design &/or specification without prior notice.
@Maktest 2020 / TK1026.04 CR Test Stand

