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Parts and Bytes

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Parts & Bytes: Diagnostics, expertise and spare parts from a single source



Features and Benefits

- Compact worktop tester for every workshop
- Excellent economy with automatic test sequences
- Easy use by touch screen
- Integrated database for filing test specifications and customer data
- Delivery-quantity-based injector tests
- With integrated suction and purging program/ device for common-rail injectors

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Part No: EPS200-A5/001/BDS/Med/1107



EPS 200

Compact automatic injector tester



EPS 200

Compact automatic injector tester



EPS 200

Nozzle-holder assembly

The new EPS 200: The automatic, economic and safe way to test diesel components

The diesel boom provides new opportunities for qualified service

State-of-the-art high-pressure diesel injection systems form the driving force behind the on-going diesel boom. Today, 50% of new automobile registrations is a diesel. Spurred by this major growth, the professional testing and maintenance of nozzle injectors in particular yields a rapidly growing market. To test diesel components conveniently and economically, Bosch now offers the compact tester EPS 200 for the workbench.

For economic and all-round tests

The automatic test sequence of the new EPS 200 from Bosch only needs a minimum amount of time to determine if the component being tested is fit for further use. The EPS 200 allows quantity measurement with test specifications, the measurement of idle, reverse and full-load quantities for CRI and CRIN. Warranty evaluations during nozzle testing can be produced with combined air tightness tests, power seat tightness tests and measurement of the nozzle opening pressure.

Safe testing requires little effort

- Unit injector nozzles via holding adapters
- 1-spring/2-spring nozzle-holder assembly
- Nozzle-holder with NBF
- Stepped holder
- Solenoid-valve common-rail injectors
- Solenoid-valve common-rail injectors (All makes)

Advantages:

- Compact worktop tester for every workshop
- Excellent economy with automatic test sequences
- Easy use by touch screen
- Integrated database for filing test specifications and customer data
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- With integrated suction and purging program/ device for common-rail injectors

Hardware Requirements

- The work bench for the EPS 200 must be able to withstand loads of 150 kg and must have a fixed, buckle resistant and stable top. The distance between the rear of the unit and the wall must be at least 100 mm.
- A supply of dry, filtered, clean and unoled compressed air in compliance with ISO 8573-1 with a set air pressure of 0.5 MPa to 0.8 MPa.
- The EPS 200 may only be operated with test oil complying with ISO 4113.
- The EPS 200 must have an oil drip tray as a base (optional accessory). The minimum dimensions of the oil collecting trough are 30 x 570 x 720 mm (H x W x D).
- Only connect the EPS 200 to a grounded, symmetrical three-phase power supply with the set local voltage $\pm 10\%$ and a mains frequency of 50/60 Hz. The three-phase power supply must also be fuse protected by a 16amp FI switch with a rated fault current of 30 mA.
- For the jet pattern test, we recommend an external extractor with oil separator for the oil mist.
- Injectors with a coil resistance > 1 Ohm cannot be tested.

Technical Data

Function	Specification
Nominal three-phase voltage for EPS 200 – 400 V	380 VAC – 460 VAC
Number of phases	3P / PE
Input frequency	50 Hz / 60 Hz
Nominal current for EPS 200 - 400 V	15 A
Nominal power	4.2 KW
Compressed air	0.5 MPa – 0.8 MPa
Operating temperature	0 °C – 40 °C
Protection class	IP 34
Oil pressure	180 MPa
Maximum speed	3500 rpm
Control voltage	24 VDC
Tightening torques for high pressure connection, sealing screw and hose lines	25 Nm – 30 Nm
Test oil tank capacity	7Litres

Noise emissions

Function	Specification
Workplace noise pressure level emissions to DIN EN ISO	11201 < 71.5 dB(A)
Sound power level to DIN EN ISO 3744	< 84.1 dB(A)

Dimensions and Weights

Function	Specification
EPS 200 (H x W x D)	580 x 560 x 780 mm
EPS 200 weight with packaging	156kg
EPS 200 weight (without test oil and packaging)	112 kg
Oil drip tray (H x W x D) (optional accessory)	30 x 570 x 720 mm

Delivery specification

Description	Order number
EPS 200, 400 volt	0 683 803 200
EPS 200, 400 volt (includes accessory kit – 1 687 001 872)	0 683 803 202
Connection adapter M 12	1 687 023 420
Connection adapter M 14	1 687 023 421
Injection chamber with clamping ring 17 mm	1 682 312 042
Clamping ring 23 mm	1 680 224 026
5 O-rings (9 x 3 mm)	1 680 210 132
4 O-rings (7 x 4 mm)	1 680 210 124
Hose line 1.5 m (for draining the test oil tank)	1 680 712 283
Transport frame (for lifting the EPS 200 out of the packaging)	1 685 200 130
Hose line (injection)	1 680 712 286
Hose line (return)	1 680 712 287
2 styli	1 683 083 004
Sealing plug	1 683 370 038
Adapter lead for injector test	1 684 465 574
Adapter lead for injector test	1 684 465 575

Optional Accessories

Description	Order number
Drip tray	1 685 411 077
All makes CRI/CRIN accessory kit	1 687 001 872
UK-PKW accessory kit	1 687 001 857
Printer PDR 371	1 687 001 850
CD/DVD drive	1 687 022 932
Power pack for CD/DVD drive	1 687 022 890
Power cord for power pack	1 684 461 171
Non-Bosch CRI/CRIN accessory kit	1 687 001 872
UI adapter accessory kit	1 687 010 147
UI connection adapter	1 681 335 111
DHK connector (radial)	1 683 391 193
DHK connector (axial, Opel)	1 683 391 194
DHK reducing fitting M 16 x 1.5	1 680 362 047
DHK reducing fitting M 18 x 1.5	1 680 362 000
DHK reducing fitting M 22 x 1.5	1 680 362 001
DHK reducing fitting M 26 x 1.5	1 680 362 002
DHK reducing fitting M 24 x 1.5	1 680 362 044
DHK reducing fitting M 27 x 1.5	1 680 362 045

The EPS 200

Find out more

Please tick for further information on the following products:

 EPS 200

 KTS ECU Diagnostics Tester Range

 FSA Motor System Analyser Range

Name

Address

Email

Contact number