

DS2R-A

Diesel Common-Rail Injector
Basic Test Bench

The Affordable Semi-Automatic Volumetric Tube Diesel CRDi Workshop Solution

Standard Diesel CRDi Test Bench to diagnose cars
and light duty vehicles of All Makes



Overview of the New DS2R-A

The Standard Diesel CRDi Injector Testing

[1] Injector Testing

20-25 minutes testing time per injector

- CRI (All Brands and Types).
- Capable for all EU6 technologies
- CRIN Light Duty Vehicle injectors

2000 Bar

Standalone Air-Operated
Diesel CRI Test Bench
For Workshops



Features

- Optimized Working Area
- Volumetric Tube Measurement for Discharge and Overflow
- Semi-Automatic Operation of the Unit
- Manual Pressure control
- Intuitive Software – Step by Step Progress
- CloudX Capabilities
- IoT Cloud computing Platform - Industry 4.0 Complaint
- Live Response Time Measurement at every test plan (optional)
- Adaptability for every type of Diesel CRDi's in the market (optional)
- Ergonomic, Fast and Easy Injector Clamping device to minimize mounting times.
- Continuous Database updates and new Software capabilities to meet the market needs.
- Android Powered 8" HMI with unlimited flexibility and connectivity competencies.



CRDi
EUI/EUP
HEUi
CRP
ENGINE
GDi
EFI
GDi Pumps

DS2R-A Specifications

DESCRIPTION		UNIT	DS2R-A (CZ-008334)
Machine Dimensions	Length	mm	610
	Width	mm	640
	Height	mm	760
Weight		kg	45
HMI	Tablet Touchscreen	Inches	8
Internet Update	WiFi / Ethernet	-	YES
Pressure Source	Type	Air Driven High Pressure Pump	
Test Oil	Type	(DxL-ISO) ISO4113 Calibration Oil	
Test Oil Tank	Capacity	Liters	4
Max Pressure	Pressure	Bar	2000
Max RPM	Max Revolutions Per Minute	RPM	-
Max Pumps	Pumps Test	Slots	-
Max Injectors	Test Injectors	Slots	1
HP Pump	High Pressure Pump	Type	Pneumatic Pump
LP Pump	Supply Pressure	Bar	-
Air Supply	Pressure	Bar	7.5-10
	Air Tank Capacity	Lt	250
	Air Flow	Lt/ Min	400
	Min Diameter at Air Supply Hose	mm	8
Main Power Supply	Air	Type	Water / Oil FREE
	Phases	Number	1
		TYPE	1P+N
	Voltage	VAC	100 - 240
	Frequency	Hz	50/60
	Current	Ampere	5
	Max Consumption	kVA (100V/240V)	0.5 / 1.2
Operating Temperature	Min / Max Room Temperature	Celsius	6 / 35
IVM Sensors	Measurement Sensors	Type / Quantity	Volumetric Tubes / 2

MEASUREMENT SENSORS
 XKM [Dynamic Meas. Sensor]: High Accuracy: ± 0.1%, Exceptional Repeatability ±0.05%, Measur. Range: 1-1000ml/min
 Volumetric Tubes [Static Analog Measurement]: Accuracy: 1ml, Measurement range: 0.5-65ml

APPLICATIONS
 Passenger Car/ Motorcycles: Volumes up to 120mm3/H
 Light Duty: Volumes up to 200mm3/H
 Medium Duty: Volumes up to 300mm3/H
 Heavy Duty: Volumes up to 650mm3/H
 Marines: Volumes up to 1500mm3/H

EXPLANATIONS
 -: N/A
PRESSURE SOURCES
 Air: Air Driven High Pressure Pump
 Motor: Motor Driven High Pressure CR Pump
 External: Pressure coming from another test Bench
 Electric Pump: Fuel Injection system or Industrial Application
 Electrical Pump 12VDC
 -: No Pressure Source



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Product Catalog

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