

## 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



## 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 Technical Data

	Part Number	(CZ-008730)
	Standalone	●
	Add-On	-
TYPE	Test Bench	●
	Simulator / Controller Service / Diagnostic Unit	-
USER LEVEL	Diesel / Gasoline Specialists Workshop / Garage	○
	Test Slots [injectors / Pumps]	● [1 / -]
SYSTEMS / [TESTING MINUTES]	CRDi / Smart Injectors [ 1 / 4 ]	● / [15]
	GDi Injectors [ 1 / 4 ]	-
	Gasoline Injectors [ 1 / 4 ]	-
	LPG / CNG Injectors [ 1 / 4 ]	-
APPLICATIONS	Passenger Car / HEV / PHEV	●
	Motorcycles	-
	Racing (Gasoline)	-
	Light Duty	●
	Medium Duty	-
	Heavy Duty / Industrial	-
	Marine	-
FEATURES	CloudX - (Page 06)	-
	Coding Capability for Passenger Car / Light Duty	-
	Coding Capability for Medium/Heavy Duty	-
	Authorized Solutions	-
MEASUREMENT SENSORS	XKM	-
	BK	-
	Volumetric Tubes	2
SYSTEM PRESSURE	Max (BAR)	2000
	Source	AIR
CHARACTERISTICS	Response Sensor	□
	Response Sensor HD	-
	Pressurized Return Hoses / PIRV's	○
	Exclusive Return Hoses Kit	●
	Spray Chamber	○
	Heavy Duty Injector Adapters & Fittings	-
	Heavy Duty Pump Adapters & Fittings	-
	Exclusive Electrical Connectors	○
	Mains Power 50/60Hz /1-Phase 100-250VAC	●
	Mains Power 50/60Hz /3-Phase/PE 380-480VAC	-
	Air-Supply (Bar / L/min)	6.5/ 250
	Air Cooling	●
	Tank Capacity [testing / flushing]	[4 / -]
	HMI (Inches)	8
	Touchscreen	●
	Flushing / MACC	-
	Protective Cover	●
	Calibration Oils	○
	Ultrasonic Bath	○
	PACKAGING	Width (mm)
Depth (mm)		770
Height (mm)		800
Weight (kg)		46

**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 120mm<sup>3</sup>/H  
 Light Duty: Volumes up to 200mm<sup>3</sup>/H  
 Medium Duty: Volumes up to 600mm<sup>3</sup>/H  
 Heavy Duty: Volumes up to 650mm<sup>3</sup>/H  
 Marines: Volumes up to 1500mm<sup>3</sup>/H

### EXPLANATIONS

● : Capable / Standard Equipped  
 □ : Capable / Optionals required  
 ○ : Optional  
 - : N/A

**PRESSURE SOURCES**  
 Air: Air Driven High Pressure Pump  
 Motor: Motor Driven High Pressure CR Pump  
 External: Pressure coming from another test Bench or external source  
 Electrical: Pressure coming from a test Bench or external source  
 Electrical Pump 12VDC  
 --: No Pressure Source



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