

**GASOLINE injector equipment**

# G-DI HP TECH

**DiT-101**

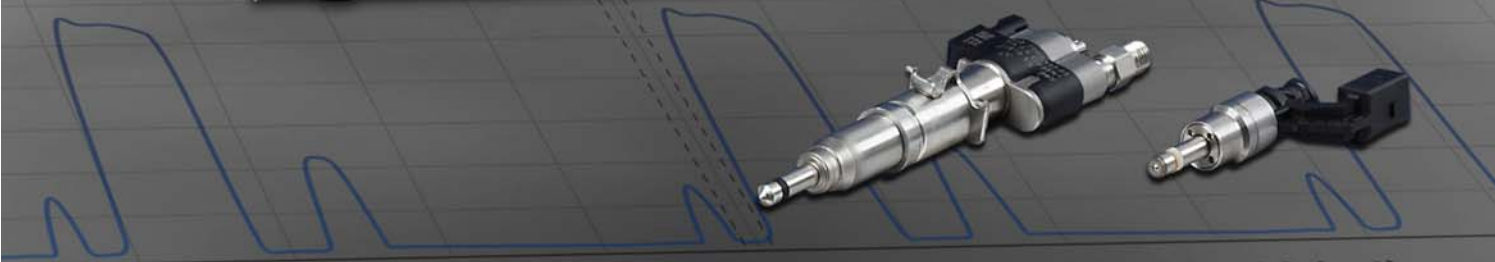
The only way to test  
gasoline direct injectors.



Automotive  
Injection  
Service  
Solutions



- ▶ Piezo
- ▶ Solenoid
- ▶ Multiple Injections



Piezo Direct Injection

Gasoline direct injection requires high pressure testing to truly diagnose operation faults. **Carbon Zapp** once again pioneers with GDi HP-Tech providing the complete testing solution.

## G-DI HP TECH

### application

GDI

FSI

HPI

DISI

SIDI (Direct injection)

### features

- Up to 250bar (High Pressure Testing)
- Piezo and Solenoid activation
- Spray test (Low and High Pressure)
- Volume test (Low and High Pressure)
- Automatic function
- Variable and customizable test-plans
- Repeatability
- Adaptability
- On-display guide
- Fast mounting
- Upgradable
- User-friendly
- Quality & robust

### ► Spray Chambers

Illuminated spray chambers (high intensity LEDs) for clear view of the entire pattern. Unique operation programs for dynamic spray test. Diagnosis of: incorrect spray pattern, leaky or seized injectors

### ► Volumetric Tubes

Graduated tubes for efficient diagnosis of: uneven flow rates, weak or defective nozzle spring at high pressures. Automatic drainage after each test

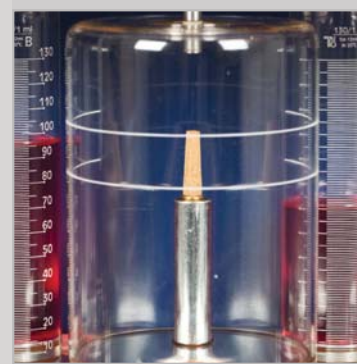
### ► HP Control

Dual-pressure system can operate on both high (25-250bar) and low pressures (0-8 bar). An advanced hydraulic control system will accumulate and fine adjust the requested pressure to the HP injector rail.

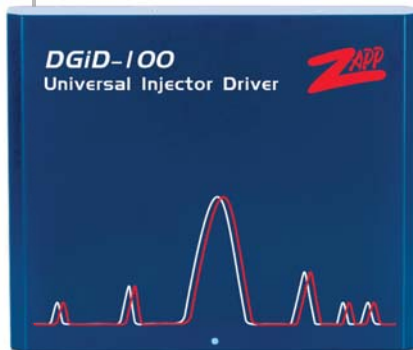
### DGiD-100: Universal Injector Driver

An advanced Engine Simulator

- Suitable for all Gasoline and Diesel Injectors
- Suitable for all types of Solenoid, Dual-Solenoid and Piezo injectors
- Preset and user Database available for all Makes
- User Friendly software and upgradable
- Multiple-Injection Capability (optional)
- Injector electrical resistance and inductance measurement
- Automatic and manual operation
- Variable and customizable test-plans
- PC-Link or Standalone unit(optional)
- Programmable I/O ports for various applications
- Applicable to all types of test benches
- Language Localization.



## DGiD-100



### Technical Specifications

G-DI HP TECH	
Injector operating frequency (strokes in increments of 10)	30-10000
Injector pulse width (µs in 1 µs increments)	100-50000
Pulse Dwell Delay (up to 9 Multiple Injections) (µs in 1 µs increments)	100-50000
Programmable Injector Driving Volts (V / 0.1 step)	1-150
Programmable Injector Driving Ampere function (A / 0.1 step)	1-35
Pump control and regulator with indication (Bar)	0-250 (Max)
Testing Tank (Lt)	4
Purified Compressed Air Input (Bar)	0-10
Input power (Volts) /Max Power Consumption (Watt)	100-240 / 420
Operating Frequency (Hz)	50 / 60
Packaged Dimensions WxDxH (cm) / Weight (Kg)	67x44x72 / 60

*Dimensions and weight values are subject to change without notice*



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