



# Programmable Injector Driver DI-BOT

## Description

Southwest Research Institute's® programmable injector driver BOT™ (DI-BOT) is an advanced injector driver capable of driving four injectors and two auxiliary loads with fully programmable current waveforms. The auxiliary channels provide the ability to drive devices such as high-pressure fuel metering pumps. Optically isolated inputs allow any controller to actuate advanced injectors.

## Features

- Programmable injector currents
- Programmable auxiliary currents
- Programmable boost voltage
- CAN (Controller Area Network) programmability
- 40-pin sealed Deutsch connector
- Test cell and vehicle mountable

### Outputs

- Four injector channels
- Two auxiliary channels

### Inputs

- Optically isolated inputs
- CAN Programming
- 12 inputs to allow flexible configuration

## Injector Configurations

- Boost-peak-hold
- Peak and hold
- 72V maximum boost voltage
- Diesel injectors
- Gasoline direct injectors
- High or low impedance

## Custom Configuration

- Custom current profiles
- Low side drive input
- Push-pull input



Gasoline or Diesel Injectors



GDI injector current

Each SwRI BOT™ system is highly customizable to meet unique customer needs. The standard configuration in this data sheet is the expandable foundation for your prototyping solution.