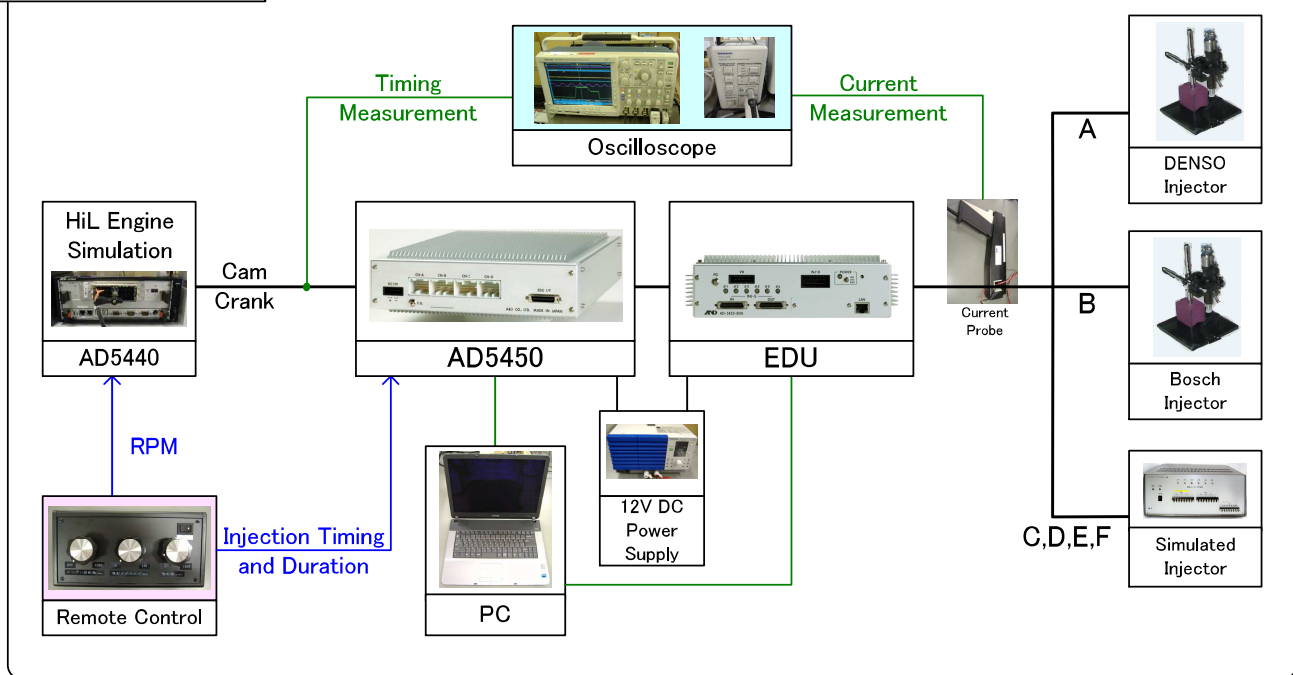


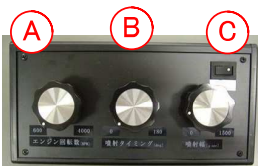
# AD5450 System Overview



## System Configuration



## Operation



### (A) Engine Speed Control

- Engine speed command: 600~4000RPM
- Change cam and crank and resulting injection frequency

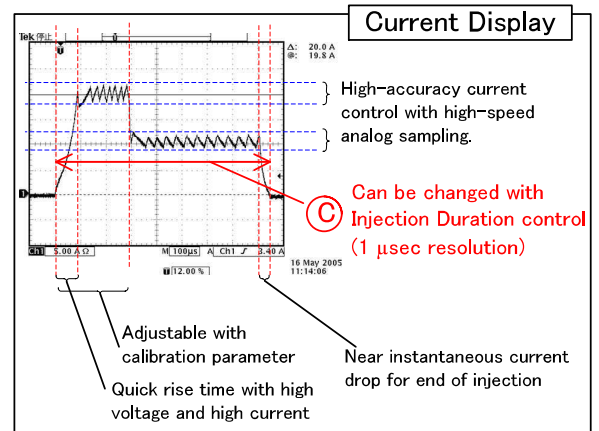
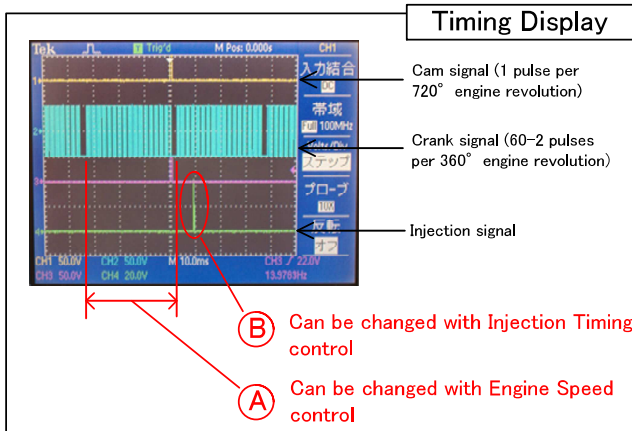
### (B) Injection Timing

- Start of injection command: 0~180°
- Change injection timing

### (C) Injection Duration

- Injection duration command: 0~1.5msec
- Changes injection duration

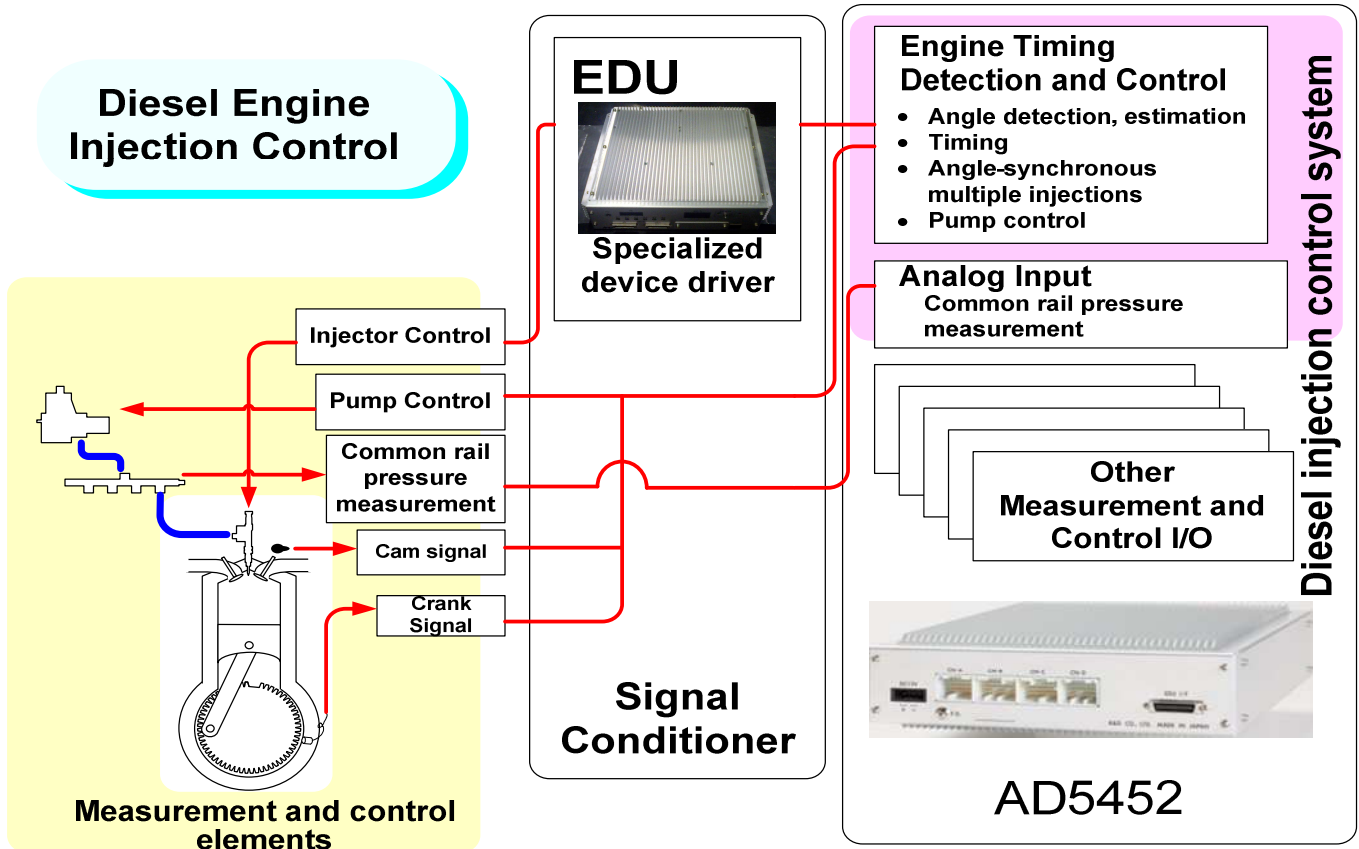
## Oscilloscope View



## Features

Rapid prototyping engine controller with high-accuracy injector current control, underhood operation, and modular and configurable I/O in a stand-alone, embedded package. Ideally suited to a variety of engine applications and control strategies, including gasoline, diesel, natural gas, bio-fuels, HCCI, and direct injection.

# AD5452 Diesel Engine Control



## Diesel Engine Injection Timing

