

# PE3 IG2

The PE3-IG2 engine control unit is a cost-effective, stand-alone ignition controller for carbureted or mechanically injected engines. With an extensive list of features, ease of use and compact size, the PE3-IG2 is a great addition to any vehicle.

## General System Features

- PC Based Tuning Software
- Ethernet Connectivity (WiFi Capable)
- Waterproof Enclosure
- Pulse-2-Sync™ MAP Sensor Cam Sync
- Dedicated CAN Bus
- Up to 20 Hours of Data Logging
- Extensive Failsafe Functions
- 1 to 8 Cylinders
- 2 or 4 Stroke



## Ignition Specific Control

- 4 Coil Drivers with Built-In Igniters
- Coil-On-Plug, Wasted Spark or Distributor Ignition
- Individual Cylinder Trims

## System Inputs & Outputs

- 9 Analog Sensor Inputs (0-5 Volt)
- 2 Switched Inputs
- 1 On/Off Output

**PERFORMANCE**  
*Electronics*

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# PE<sub>3</sub> ECUs

| ECU Models   |                             | 8400                                   | 8405                                   | 8410                                   | SP                                     | IG2                                    |
|--------------|-----------------------------|--|--|--|--|--|
| Retail Price |                             | \$1075                                 | \$1075                                 | \$1075                                 | \$799                                  | \$595                                  |
| Outputs      | Injector Drivers            | 8                                      | 8                                      | 8                                      | 2                                      | -                                      |
|              | Ignition Drivers            | 8<br>4 Internal Igniters               | 8<br>Smart Coils                       | 4<br>Smart Coils                       | 2<br>Internal Igniters                 | 4<br>Internal Igniters                 |
|              | User Defined Outputs        | 10<br>8 PWM                            | 10<br>8 PWM                            | 6<br>6 PWM                             | 10<br>8 PWM                            | 1                                      |
|              | Tach Output                 | Y                                      | Y                                      | Y                                      | Y                                      | Y                                      |
| Inputs       | Dedicated Inputs            | 6<br>IAT, ECT, MAP,<br>TPS, Crank, Cam | 6<br>IAT, ECT, MAP,<br>TPS, Crank, Cam | 6<br>IAT, ECT, MAP,<br>TPS, Crank, Cam | 6<br>IAT, ECT, MAP,<br>TPS, Crank, Cam | 6<br>IAT, ECT, MAP,<br>TPS, Crank, Cam |
|              | User Defined Analog Inputs  | 8<br>2 Temperature                     | 8<br>2 Temperature                     | 8<br>2 Temperature                     | 6<br>2 Temperature                     | 3                                      |
|              | User Defined Digital Inputs | 7<br>4 Frequency                       | 7<br>4 Frequency                       | 7<br>4 Frequency                       | 4<br>2 Frequency                       | 2                                      |
| Features     | Waterproof                  | Available                              | Available                              | Available                              | Y                                      | Y                                      |
|              | Closed Loop O2 Control      | Y                                      | Y                                      | Y                                      | Y                                      | N                                      |
|              | Long Term Learning (LTF)    | Y                                      | Y                                      | Y                                      | Y                                      | N                                      |
|              | Variable Cam Control        | Y                                      | Y                                      | Y                                      | N                                      | N                                      |
|              | Idle Air Control            | Y                                      | Y                                      | Y                                      | Y                                      | N                                      |
|              | Drive-2-Tune™ Technology    | Y                                      | Y                                      | Y                                      | Y                                      | N                                      |
|              | Pulse-2-Sync™ Technology    | Y                                      | Y                                      | Y                                      | Y                                      | Y                                      |
|              | CAN Bus                     | Y                                      | Y                                      | Y                                      | Y                                      | Y                                      |
|              | Staged Injection            | Y                                      | Y                                      | Y                                      | Y                                      | N                                      |
|              | Launch Control              | Y                                      | Y                                      | Y                                      | N                                      | N                                      |
|              | Traction Control            | Y                                      | Y                                      | Y                                      | N                                      | N                                      |
|              | Anti-Lag Control            | Y                                      | Y                                      | Y                                      | N                                      | N                                      |
|              | Boost Control               | Y                                      | Y                                      | Y                                      | N                                      | N                                      |
|              | Flat Shift Gear Control     | Y                                      | Y                                      | Y                                      | N                                      | N                                      |
|              | Gear Shift Acuator Control  | Y                                      | Y                                      | Y                                      | N                                      | N                                      |
| Auto Upshift | Y                           | Y                                      | Y                                      | N                                      | N                                      |  |
| Tuning       | Tuning Table Resolution     | 26 X 25                                | 26 X 25                                | 26 X 25                                | 26 X 25                                | 26 X 25                                |
|              | Individual Cylinder Trims   | Y                                      | Y                                      | Y                                      | Y                                      | Y                                      |
|              | Engine Protection           | Y                                      | Y                                      | Y                                      | Y                                      | Y                                      |
|              | Onboard Data Logging        | Up To 20 Hours                         | Up To 20 Hours                         | Up To 20 Hours                         | Up To 20 Hours                         | Up To 20 Hours                         |

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