

PE₃ 8400

The PE3-8400 series engine control unit is a compact, stand-alone engine management system for almost any engine. With an extensive list of features, ease of use and compact size, the PE3-8400 is a great addition to any vehicle.

General System Features

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



Fuel & Ignition Specific Control

- Individual Cylinder Trims
- Dual Sensor Closed Loop O2 Control with Adaptive Learning
- Sequential, Semi-Sequential or Staged Injector Firing
- 8 Saturated or Peak-And-Hold Injector Drivers
- Coil-On-Plug, Wasted Spark or Distributor Ignition
- 4 Coil Drivers with Built-In Igniters

System Inputs & Outputs

- 12 Analog Sensor Inputs (0-5 Volt), Up to 4 Temperature Inputs
- 9 Switched Inputs, Up to 6 Frequency Inputs
- 10 Configurable On/Off Outputs, Up to 8 PWM Outputs
- Dedicated Tachometer Driver
- Idle Air Control

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PE3 8405

The PE3-8405 series engine control unit is a compact, stand-alone engine management system that is optimized for **LS** engines. With the ability to drive up to 8 external ignition coils, an extensive list of features, ease of use and compact size, the PE3-8405 is a great addition to any **LS** powered vehicle.

General System Features

- Optimized for **LS** Applications
- PC Based Tuning Software
- Ethernet Connectivity (WiFi Capable)
- Waterproof Enclosure Option
- Pulse-2-Sync™ MAP Sensor Cam Sync
- Drive-2-Tune™ Technology
- Dedicated CAN Bus
- Up to 20 Hours of Data Logging
- Extensive Failsafe Functions
- Map Switching
- Cable or Electronic Throttle
- 1 to 8 Cylinders
- 2 or 4 Stroke



Fuel & Ignition Specific Control

- Individual Cylinder Trims
- Dual Sensor Closed Loop O2 Control with Adaptive Learning
- Sequential, Semi-Sequential or Staged Injector Firing
- 8 Saturated or Peak-And-Hold Injector Driver
- Coil-On-Plug, Smart Coil Ignition
- 8 External Ignition Drivers

System Inputs & Outputs

- 12 Analog Sensor Inputs (0-5 Volt), Up to 4 Temperature Inputs
- 9 Switched Inputs, Up to 6 Frequency Inputs
- 10 Configurable On/Off Outputs, Up to 8 PWM Outputs
- Dedicated Tachometer Driver
- Idle Air Control

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PE₃ 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 4 Internal Igniters	8 Smart Coils	4 Smart Coils	2 Internal Igniters	4 Internal Igniters
	User Defined Outputs	10 8 PWM	10 8 PWM	6 6 PWM	10 8 PWM	1
	Tach Output	Y	Y	Y	Y	Y
Inputs	Dedicated Inputs	6 IAT, ECT, MAP, TPS, Crank, Cam	6 IAT, ECT, MAP, TPS, Crank, Cam	6 IAT, ECT, MAP, TPS, Crank, Cam	6 IAT, ECT, MAP, TPS, Crank, Cam	6 IAT, ECT, MAP, TPS, Crank, Cam
	User Defined Analog Inputs	8 2 Temperature	8 2 Temperature	8 2 Temperature	6 2 Temperature	3
	User Defined Digital Inputs	7 4 Frequency	7 4 Frequency	7 4 Frequency	4 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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