

ELTA 400



Specialist Control Systems Delta 400 is the fastest and most powerful ECU in its class, while retaining the compact form of its predecessor and exceptional value. Software configurable set up allows for CAN-BUS integration, VVT control, coil on plug ignition and up to 6 injector outputs.

Hardware Specification

High performance 32 bit e200z335 core processor @ 80MHz - Power Architecture Book E
Dedicated Time Processor Unit for core independent angle based signal processing
1.5Mb FLASH memory
6 x Injector outputs
4 x Ignition outputs software selected Logic level or IGBT Power
5 x Low side outputs 3A
3 x Linear analogue inputs
3 x NTC analogue input
2 x Lambda analogue inputs
1 x CAN 2.0B channels
1 x 500mA sensor supply outputs
Internal Barometric Pressure Sensor
3 x VR/Hall effect digital inputs software selected

All outputs protected against short circuit with feedback for short/open circuit diagnosis
35 way AMPSeal connector and bespoke ABS enclosure suitable for engine bay mounting
Made in the UK using 100% Surface Mount Technology
6-18V operating voltage
Internal monitoring of battery voltage, reference supply voltages and ECU temperature
Size: 100 x 160 x 35mm Weight: 228g

Software Specification

Intuitive Bespoke Real Time Calibration Tool using micro USB CAN Interface Dongle
Up to 4 Cylinders Direct Ignition and Sequential Injection
Up to 6 Cylinders Wasted Spark and Sequential Injection
Up to 8 Cylinders Wasted Spark and Batched Injection
Engine Logbook Recording Vital Engine Statistics
Wide Range of Original Equipment Trigger Patterns Supported
32 x 32 Variable Breakpoint Fuel and Ignition Main Maps
Alpha-N, Speed Density or Hybrid Alpha-N with MAP Correction Load Input
Maximum Engine Speed Breakpoints up to 16,500rpm
Individual Cylinder Trim Maps for both Fuel and Ignition
Stereo Closed Loop Fuelling Control (Narrowband or Wideband) with Lambda Auto Mapping
User Configurable Hard and Soft Engine Speed Limiters as a function of Coolant Temperature
User Selectable OEM CAN Output to drive Original Equipment Dashboards and EPAS systems
Comprehensive Transient Fuelling Control
Closed Loop Boost Control with Overboost Fuel Cut Protection and Gear offsets
Comprehensive Environmental Corrections for Fuelling and Ignition
Cranking and Cold Start Enrichment Maps
Overrun Fuel Cut-off Strategy
Closed Loop Idle Speed Control for both Ignition and Idle Air Bypass Valve
Variable Camshaft Timing Control for up to 2 Camshafts
All Sensor Inputs are User Configurable
VTEC Cam Switching Control
Configurable Shift Lamp Control
Comprehensive Launch Control, Switched or Fully Automatic
Pit Lane Speed Limiter
Closed or open loop gear cut switch or direct GCU Input, full Ignition Cut or Ignition Retard
4 Cylinder Staged Injection

RRP £649

