

Microtech LT8/LTX8

Specifications:-

Kit Contents:

ECU
Flying Lead Wiring Loom (labelled)
Vacuum Hose
Fuel Pump Relay
Fuse Holder
Technical Manual/booklet

General:

Weight 500gm
Extruded Aluminium Case
1 Year Warranty
16bit Motorola Processor 32Mhz
PCB Circuitry
Supports up to 12 Cylinders and 4 Rotor Engines
Max Readable RPM 15950rpm
Max Readable Boost with Internal MAP Sensor 25PSI

Fuel Delivery:

4 Injector Drivers Capable of 4amp Peak Hold
True Sequential Operation on 4cyl and Rotary applications
Run up to 4 high Impedance injectors per Driver
Tuneable in MAP or TPS mode or Combination of both
Main Matrix Table tuneable with 16x16 load sites
RPM Tuning Range every 500rpm to 9000rpm
Overall Mixture trim +-99%
Auxilliary input correction +-99%
Coolant Temp correction
Air Temp correction
Accelerator Pump Amount, Sensitivity and Time compensation
Cranking Enrichment correction
After Start enrichment
Cold start Accelerator pump correction
Hard cut RPM Limiter
Soft Cut RPM Limiter
Over Boost Limiter
Sequential, Multipoint and Staged/Sequential Staged/Multipoint Operation.
Optional 5th PWM Output Available and Tuneable via Separate Map
Optional 5th PWM Output Capable of running 4 High Impedance Injectors

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Specifications:-

Ignition:

4 Ignition Outputs

Inbuilt Igniter on LTX8 Units

Ignition Setup Pre-Configured for Engine type.

Configurable for 1-4 cyl Direct Fire or 1-8 Cyl Direct Fire (wasted spark)

Configurable for Twin Distributors and up to 4 Rotor Engines

Configurable for almost any trigger pattern and Ignition Setup

16 Ignition RPM sites 0-9000rpm

16 Ignition MAP corrections -30hg to 25psi

16 Ignition Water Temp Corrections

16 Ignition Air temp Corrections

Ignition Advance/Retard on Accelerator pump x2

Ignition Advance/Retard trim via Auxilliary Input.

Ignition Trim Overall +-60deg

Ignition TDC Reference adjustment

Ignition Timing Split (Rotary Engine) adjustable.

Accuracy to .25 degree.

Auxilliary Inputs/Outputs:

Standard Features include one Auxilliary 12v Input.

Standard Features include one Auxilliary Output -ve switched via Rpm,MAP or Water Temp

Optional PWM Output available .

Optional Trim Potentiometer available to run User Specified Device

Optional Outputs can be configured for Idle Air Control, Extra Injector etc.

Aux Input can be user Configured to run Anti-Lag,Mixture Trim, Timing Trim etc

Diagnostics:

Red LED indicates Fault Code Triggered.

Data page indicates where fault lies

Operational Errors . Overboost,RPM Limit,RPM Cut,Max Duty,Water Temp,Shift Light,Voltage

Soft Test Mode runs all Injectors and Ignition Outputs and Cycles Auxilliary Outputs

Amber LED Gives Visual Indication of Ignition Input

Green LED Gives Visual of Fuel Pump Relay Output

Programming/Tuning:

Via Laptop using Laptop Adapter/COM Cable, PC Software , Win95 or better PC.

Via Hand controller and COM Cable.

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Specifications:-

Sensors:

Configured for Original Manufactureres Sensors or Others by Request.

Data Logging and Map Storage:

On board "ECU Log" holds 11 mins memory. User definable switching on and off.

Data-log to Memory (Laptop) 100 samples per second.

Viewed DataLog displays average readings 10 times per second

Data log viewable in Text or Graph

Playback Datalog

Print Datalog

Save and Load Datalog to disc.

Maps Saveable to Laptop adapter and Hand Controller

2 Maps Saveable and Switchable via Hand Controller

4 Maps Saveable and Switchable via Laptop Adapter

Accessories/Options:

Laptop Programmable Software

Laptop Cable Adapter

Trim Pot' Kit Boost Control.

External 3 BAR MAP Sensor Option

Wideband Oxygen Sensor Option

Coil Packs and Bracketry

Air, Water, TPS Sensors available.