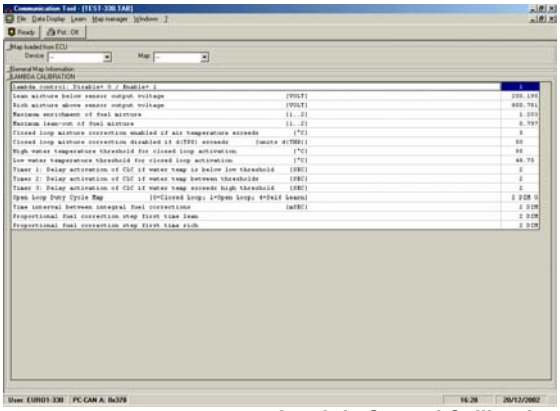
EFI TECHNOLOGY - EURO-96

Ignition
- 24 x 16 breakpoint basic spark advance map, 0.25 degree resolution.
- 3 built-in ignition power drivers, max load > 15 Amps.
- Comprehensive spark advance trims.
- Separate spark advance strategy during cranking.
- Separate spark advance strategy in idle speed.
- Programmable ignition coil dwell time.
- Launch control and pit lane limiter.
- Soft and hard cut engine RPM limiters.



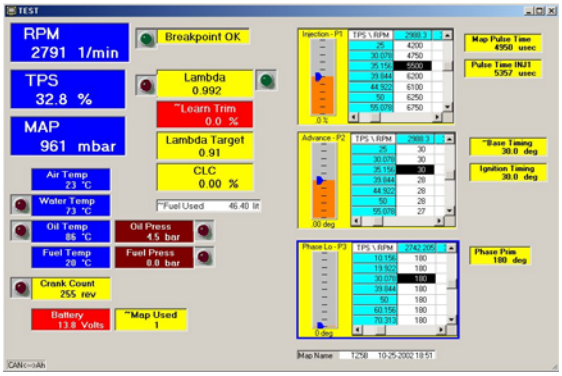
Lambda Control Calibration

Lambda Control - closed loop self mapping
- Adaptive fuel learn strategy with lambda target map.

Lambda Control – closed loop injection control
- HEGO closed loop lambda 1 control.

Turbo Charged Engines
- Closed loop boost control with anti lag control.

Idle Speed Control
- Closed loop control with proportional and integral control.
- Separate idle speed spark advance control.



Example of User Defined Display Screen

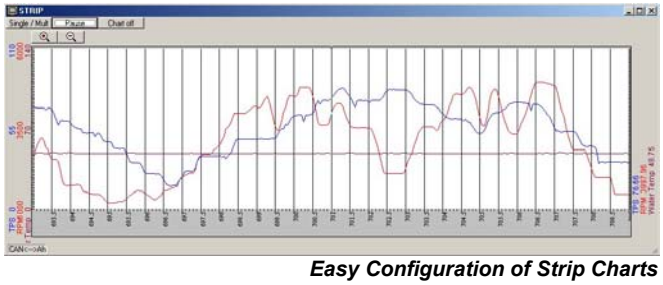
External switches
- Fuel and spark advance map corrections.
- Launch control or pit lane speed limiter.
- Power shift.
- Anti Turbo Lag strategy.
- Map switch to select between two engine maps.
- Fuel calibrator.

Aux. outputs
- Programmable gear shift light.
- RPM signal for tachometer.
- Fuel pump driver
- Programmable camshaft position as function of throttle position and RPM.
- Programmable variable intake length system as function of throttle position and 3 RPM limits.

Diagnostics
- 16 channels monitored, high/low limits for each sensor channel set by user.
- Error detecting time and conditional parameters configured by the user.
- Highest 12 engine speed levels and the first 12 errors for each channel are stored in memory.

Communication Link
- CAN link to external data acquisition systems, dashboards and PC communication.
- Programmable serial data link to external data acquisition systems and dashboards.

Enclosure and Components
- Aluminium enclosure fully sealed with O-rings and fitted with a SJT MIL specification connector.
- Dimensions 178 x 166 x 40 mm, weight 770 grams.



Easy Configuration of Strip Charts

Mapping software
- Software is easy to understand and logic to operate.
- Alterations in real-time of injection, phase, spark advance, boost pressure, idle speed and target lambda value can be done by use of a mapping controller or from the keyboard.
- The ECT communication software runs under Windows 95/98/ME/2000/NT/XP. It is very easy to design individual displays with text, data, potentiometers, LED's, strip charts etc. Any ECU parameter can be altered working either on-line or off-line.
- Full on-line editing of complete map. ECU map is password protected.
- Data acquisition during the mapping procedure with adjustable sampling rate is available.