

Autronic

FUEL INJECTION — ADVANCED CONTROLS



Autronic famous AF meter, with ground isolated analog output, will not chassis ground the analog ground on the ecu like most others.

The analyzer will read either air fuel ratio or lambda. You can select between the following fuels. Gasoline, Diesel, LPG, Alcohol. A/F ratio for Lambda = 1 is shown for these various fuels.

Analyzer auto calibrates.

There are two models of the exhaust gas analyzer and both have an analog output for external data acquisition input as well as connection to Autronic ECUs for AutoTune

A Model: Uses a Bosch four wire broad band sensor and has a air fuel ratio range of 9.0:1 to 36.0:1. Update speed of readings is 0.5 of a second.

B Model: Will use the Bosch sensor or a UEGO 6 wire high speed sensor. The high speed sensor will update every 0.10 of a second, it is also more accurate than the Bosch sensor.

Both models have a instantaneous / minimum / maximum capture using a bar graph which makes acceleration testing easier.

Digital Readout	4 Digit 0.56" Hi-intensity red LED
Range	0.68 to 2.1 Lambda or 10 to 40 A/F (petrol)
Update Rate	1.25 to 5 samples/sec (user selectable)
Effective Filtering, Time Constant	0.1 to 6.4 sec (user selectable)
Bar Graph Readout	20 Segment multicolor LED
Range	10 to 40 A/F or 0.62 to 2.1 Lambda
Response	40mSEC approx.
Display Modes	Instantaneous value and/or max value, min and max, min & actual, min to max.
Max, Min Hold Time	0.1 to 1.6 sec.
Analog Output	Twin voltage O/P that is tolerant of system grounding errors.
Output Range	0 to 1 & 0 to 5 volts (both available simultaneously) user can define A/F values for min & max O/P limits.
Resolution	Better than 0.1% FSD
Effective Filtering Time Constant	0.04 to 6.4 SEC (user selectable)
Signal Ground Voltage Range	+/- 3.0 volts
Supply Voltage	10.3 to 23 volts
Normal Operation	+/- 24 volts (5 min)
Safe Limits	+/- 80 volts (alternator load dump 0.5 sec) +/- 1000 volts (inductive spike 10 usec)
Current Drain	1 amp + sensor heater current (approx.)
Operating Temperature Range. Minimum Maximum	-25 deg C (non condensing) +70 deg C
Weight	< 0.5 kg