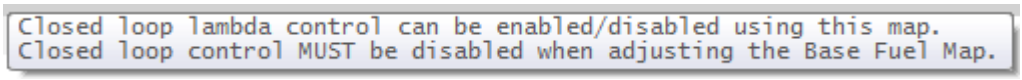
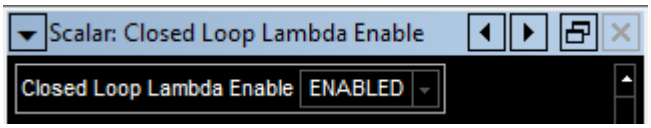
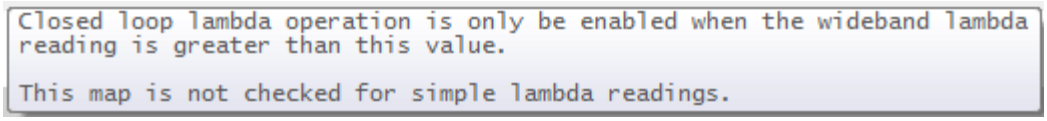
Groups/STANDARD MAPPING/FUEL CORRECTIONS/CLOSED LOOP LAMBDA/ENABLE/DISABLE:

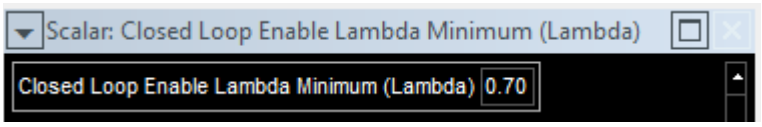
Closed Loop Lambda Enable: Must be disabled during Tuning



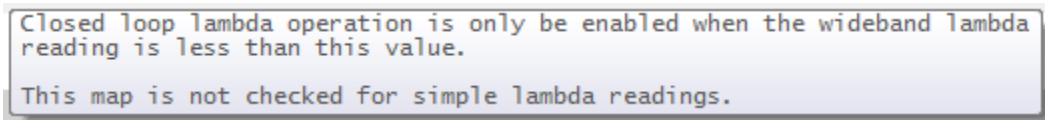


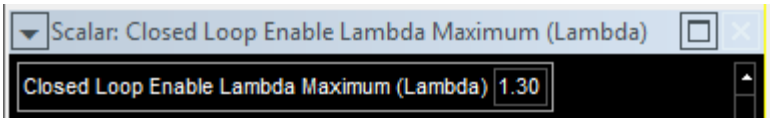
Closed Loop Enable Lambda Minimum:





Closed Loop Enable Lambda Maximum:





SEE FUEL CORRECTIONS PDF SECTION FOR THE REST OF THE LAMBDA SETUP

Groups/STANDARD MAPPING/BASE CALIBRATION 1:

Closed Loop Lambda Target 1:

Matrix: Closed Loop Lambda Target 1 (Lambda)

RPM (rpm) / MAP (mbar)

	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250	6500
3000	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2800	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2600	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
2400	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
2200	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
2000	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
1800	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
1600	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
1400	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.92	0.91	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
1200	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
1000	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
800	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
600	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
400	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
200	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

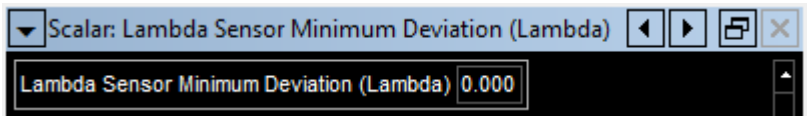
Groups/ANALOG SENSOR SETUP/CONTROL SENSORS/LAMBDA SENSORS:

Note: The SQ6M can be configured for two wideband or one simple (narrowband sensor)

Lambda Sensor Minimum Deviation: 0.000 to 3.000 user defined

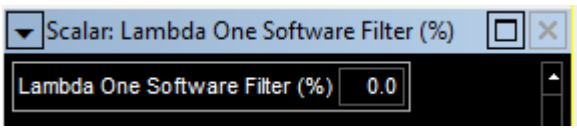
For each lambda sensor, the minimum and maximum lambda readings seen so __far are stored. If the difference between them is less than the value in this map, then a "No Signal" error cause will be set for the offending sensor.

This check will not be performed until the engine has been running for over 60 seconds to allow the lambda sensors to reach their operating temperature.

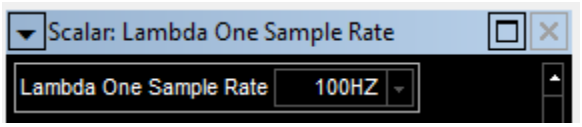


Groups/ANALOG SENSOR SETUP/CONTROL SENSORS/LAMBDA SENSORS/LAMBDA ONE (LAM1):

Lambda One Software Filter: 0.0 to 100 Percent



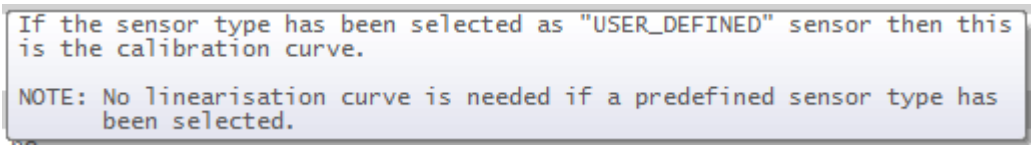
Lambda One Sample Rate:



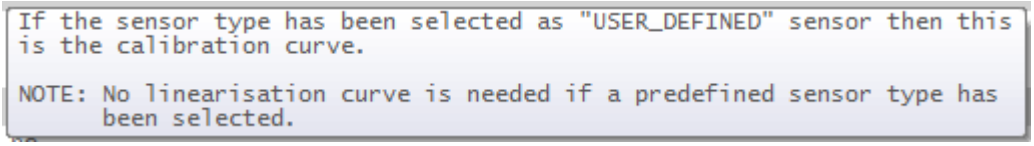
Groups/ANALOG SENSOR SETUP/CONTROL SENSORS/LAMBDA SENSORS/LAMBDA ONE (LAM1)/INTERNAL AMPLIFIER:

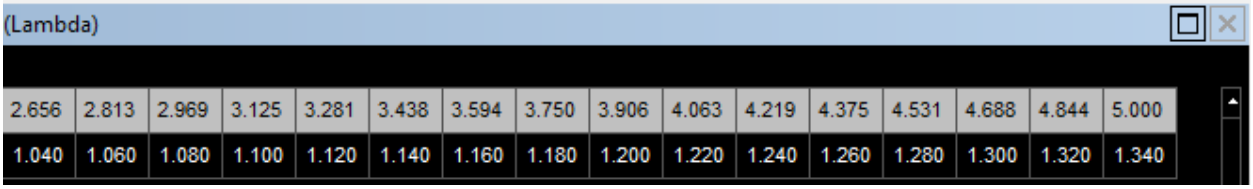
Note: Cosworth / Pectel supplied NTK sensors are “NTK_BAND_10”. The band numbers 1-20 are legacy and allow for error i.e. if your Lambda sensor is reading low against a known reference then you use a higher Band Number.

Internal Lambda Sensor Type: USER_DEFINED; AUTO_DETECT_NTK; NTK_BAND_(1-20); CALIBRATION BAND:



Internal Lambda One Sensor Curve: 26 July 2015 Used Nitrogen and Propane Test rig. Interpolated between .780 Lambda (Propane 11.46 AFR) and 1.000 Lambda (Nitrogen 14.7 AFR).





Groups/ANALOG SENSOR SETUP/CONTROL SENSORS/LAMBDA SENSORS/LAMBDA ONE (LAM1)/EXTERNAL AMPLIFIER: Not used

Groups/ANALOG SENSOR SETUP/CONTROL SENSORS/LAMBDA SENSORS/LAMBDA ONE (LAM1)/LEGACY MODE SETUP: Not used

---

Groups/ANALOG SENSOR SETUP/CONTROL SENSORS/LAMBDA SENSORS/LAMBDA TWO (LAM2): Same as LAM1 above

---

LAMBDA THREE not used; LAMBDA FOUR not used

Groups/ANALOG SENSOR SETUP/CONTROL SENSORS/LAMBDA SENSORS/SIMPLE LAMBDA SENSORS: Not used.