

ALL data/parameters transmitted from the ECU over CAN have units defined by the corresponding parameter calibration table(s). This can be setup and adjusted through the PC tuning software Emtune.

1. All Data is unsigned
2. All Data is 16 bits
3. Low byte of each word (16bit) is transmitted first.

Examples:

- Temperature in degrees Celsius or Fahrenheit
- Pressure in kPa, PSI, InHg
- Speed in Kph, mph, m/s
- Speed in Kph, mph, m/s

Type	Units	Min Value	Max Value	Conversion Raw to Displayed Value
Position	%Posn	-100.0 %	100.0 %	Display = ECU value x 0.1 - 100 OR ECU value A: 0000 becomes -100.0 % ECU value B: 2000 becomes 100.0 %
Pressure	kPa/PSI	0.0	6500.0	Display = ECU value x 0.1 OR ECU value A: 0 becomes 0.0 kPa/PSI ECU value B: 1000 becomes 100.0 kPa/PSI
Temperature	oC / oF	-50.0	250.0	Display = ECU value x 0.1 - 50 OR ECU value A: 0 becomes -50.0 oC/ oF ECU value B: 1500 becomes 100.0 oC / oF
Lambda	La	0.000	2.000	Display = ECU value x 0.001 OR ECU value A 0 becomes 0.000 La ECU value B 1000 becomes 1.000 La

Type	Units	Min Value	Max Value	Conversion Raw to Displayed Value
Speed	Kph/mph	0.0	6500.0	Display = ECU value x 0.1 OR ECU value A 0 becomes 0.0 kph ECU value B 1000 becomes 100.0 kph
Ignition Angle	oBTDC	-100.0 oBTDC	100.0 oBTDC	Display = ECU value x 0.1 - 100 OR ECU value A 1000 becomes 0.0 oBTDC ECU value B 2000 becomes 100.0 oBTDC
Voltage	V	0.000	20.000	Display = ECU value x 0.001 OR ECU value A 0 becomes 0.000V ECU value B 20000 becomes 20.000V
Percentage1	%	0.0	100.0	Display = ECU value x 0.1 OR ECU value A 0 becomes 0.0% ECU value B 1000 becomes 100.0%
Percentage2	%	-100.00	100.00	Display = ECU value x 0.01 - 100 OR ECU value A 0 becomes -100.00% ECU value B 10000 becomes 0.00% ECU value C 20000 becomes

				+100.00%
--	--	--	--	----------

Type	Units	Min Value	Max Value	Conversion Raw to Displayed Value
Rate of Change1	%/sec	-100.0	+ 100.0	Display = ECU value x 0.1 - 100 OR ECU value A 0 becomes -100.0 %/sec ECU value B 1000 becomes 0.0 %/sec Or ECU value B 2000 becomes +100.0 %/sec
Rate of Change2	rpm/sec	-20000	20000	Display = ECU value x - 20000 OR ECU value A 0 becomes - 20000 rpm/sec ECU value B 20000 becomes 0 rpm /sec Or ECU value B 40000 becomes + 20000 %/sec
G-Force	G	-10.00 G	10.00 G	Display = ECU value x 0.01 - 10 OR ECU value A 0 becomes -10.00 G ECU value B 1000 becomes 0.00 G or ECU value B 2000 becomes 10.00 G
RPM	RPM	0	300000	Display = ECU value x 1 OR ECU value A 0 becomes 0 RPM ECU value B 20000 becomes 20000 RPM

Pressure Diff	kPa/PSI	0.0	6500.0	Display = ECU value x 0.1 - 1000 OR ECU value A: 10000 becomes 0.0 kPa/PSI ECU value B: 8000 becomes - 200.0 kPa/PSI
Counter		0	65535	Display = ECU value OR ECU value A 0 becomes 0 ECU value B 10 becomes 10

VVT Position	Deg	-100.0	+100.0	Display = ECU value x 0.1 - 200 OR ECU value A: 2000 becomes 0.0 Deg ECU value B: 2304 becomes 30.4 Deg (Cam Advanced) ECU value 3: 1871 becomes -12.9. Deg (Cam Retarded)
--------------	-----	--------	--------	--