ISO10156 LELs are those used to date and now applicable to UL and CSA calibrated sensors. EN61779 LELs are the newer values which apply from 3rd March 2008 to all ATEX and IECEx calibrated sensors.

To obtain an estimate of the true concentration of a species from the detector reading, multiply the actual reading by the applicable correction factor from the table below.

Pellistor Correction Factors for Triple Plus+

	IEC 10156 Correction factors			EN61779 Correction factor		
		Detector Calibration			Detector Calibration	
Gas	LEL	Pentane	Methane	LEL	Pentane	Methane
Pentane	1.5	1.0	2.0	1.4	1.0	1.9
Methane	5.0	0.5	1.0	4.4	0.5	1.0
Butane	1.9	0.9	1.7	1.4	1.1	2.0
Propane	2.2	0.7	1.4	1.7	0.8	1.6
Hydrogen	4.0	0.5	0.9	4.0	0.5	0.8
Toluene	1.2	1.4	2.7	1.1	1.4	2.6
Ethanol	4.3	0.8	1.6	3.1	1.0	2.0
Petrol Vapour		1.3	2.5	1.2	0.0	0.0
Ammonia	15.0	0.4	0.7	15.0	0.4	0.6
Methanol	7.3	0.7	1.3	5.5	0.9	1.5
LPG		0.7	1.4		N/A	N/A
Propanol	2.1	1.0	2.0	2.2	0.9	1.7

Pellistor Correction Factors Tetra, Tetra3 and Gasman

	IEC10156 Correction factors			EN61779 Correction factor		
		Detector Calibration			Detector Calibration	
Gas	LEL	Pentane	Methane	LEL	Pentane	Methane
Methane	5.0	0.5	1.0	4.4	0.5	1.0
Propane	2.2	0.8	1.6	1.7	1.0	1.8
Butane	1.9	0.8	1.6	1.4	1.0	1.9
Pentane	1.5	1.0	2.0	1.4	1.0	1.9
Hydrogen	4.0	0.5	0.9	4.0	0.5	0.8
Ethylene	3.1	0.6	1.3	2.3	0.8	1.5
LPG		0.8	1.6		N/A	N/A
Toluene	1.2	0.9	1.6	1.1	0.9	1.5
Factors based on sensor data						
Hexane	1.1	2.0	N/A	1.0	1.9	N/A
Acetylene	2.5	1.1	N/A	2.3	1.1	N/A
Carbon Monoxide	11.0	0.9	N/A	10.9	0.8	N/A
Ammonia	15.0	0.7	N/A	15.0	0.6	N/A
Cyclohexane	1.3	1.1	N/A	1.2	1.0	N/A
1,3 Butadiene	2.0	1.7	N/A	1.4	2.1	N/A