

Crowcon Technical Note

Document Reference: GEN071 - P90E Correction Factors for Triple Plus + and Detective +

Date: 6/6/17

Document applies to: Triple Plus + and Detective + units with P90E flammable sensors

Appendix 2 of the Triple Plus+ and Detective + user manuals lists Default Flammable Correction Factors applicable to units fitted with VQ32 pellistor sensor modules. For units fitted with P90E pellistor sensor modules, please refer to the table below:

Gas	Correction with respect to methane*	Correction with respect to pentane*	3 character name
Pentane	1.7	1.0	PEN
Methane	1.0	0.6	CH4
Butane	1.9	1.1	BUT
Propane	1.8	1.1	PRO
Hydrogen	0.8	0.5	H2
Toluene	2.4	1.4	TOL
Ethanol	1.4	0.8	ETH
Unleaded Petrol Vapour	1.6	0.9	PET
Ammonia	0.7	0.4	NH3
Methanol	1.3	0.8	MTL
LPG	1.9	1.1	LPG
Propanol	1.6	0.9	PRL

* Reference Standard IEC60079-20-1:2010

Methane and Pentane factors have been derived from relative sensitivities stated in City Technology data sheet: P09E Issue 4 20th March 2017. Correction factors have been rounded to 1 decimal place.