

	Technical Note	27/04/2008
	Use of Quad Gas Mixtures Update 1 Document Reference: GEN012	

**Product: All Portables**  
**Subject: Use of Quad Gas Mixtures**

We are changing the composition of our preferred quad gas mixtures for bump test and calibration of the portable product range with the change being a reduced CO concentration of 100ppm in place of 250ppm.. The current and new gases are as follows:

**Current gases**

Part No	Size	CH4	H2S	O2	CO
C03327	34litre	2.5% vol	15ppm	18%	250ppm
C03169	58litre	2.5% vol	15ppm	18%	250ppm

**New Gases**

Part No	Size	CH4	H2S	O2	CO
C03365	34litre	2.5% vol	15ppm	18%	100ppm
C03366	58litre	2.5% vol	15ppm	18%	100ppm

We will be phasing new bump test limits and calibration values for the CO sensors in new product as soon as practical.

As of today we have made the change to Gasman and Tetra3 instruments, and these apply to instruments with the following order references or higher in their serial numbers:

Gasman: 282795 (Quad gas mixtures are not normally applicable but for consistency we have changed the default bump and calibration values for the test mode.)

Tetra3 282287 or W118066

The other products configurations will be converted over as soon as practical

It is of course important that customer are supplied the right quad gas mixture. From today for all new product quotes including quad gas we should specify the new gases.

A key issue will be supplying gas on a replacement basis. It will be necessary for these orders to establish which quad gas mixture the customer has either by checking the specified CO concentration non existing bottles or by checking the serial number of the instrument.

There could be an issue then with people having a mixture of old and new instruments. In that case we would recommend that they update the bump test limits and calibration value in their older units using Portables PC to match the current values in their new instruments, and switch to using the new gases as above.