



Bump Testing

Total Protection (UK) Limited recommends that users of gas detection equipment containing electrochemical or catalytic bead sensors conduct routine 'bump' checks before using the equipment to verify an atmosphere is free from hazard. A 'bump' test or 'response' test is a means of verifying that an instrument is working within acceptable limits by briefly exposing the unit to a known gas mixture formulated to change the output of all the sensors present. This is different from a calibration where the instrument is also exposed to a known gas mixture but is allowed to settle to a steady figure and the reading adjusted to the stated gas concentration of the test mixture. For oxygen monitors a level of confidence that the unit is working adequately may be gained by exhaling over the sensor inlet and viewing the reduction in reading obtained. In many cases the reduction in oxygen concentration obtained is sufficient to trigger the low oxygen alarm.



We can offer a range of non-refillable bump test gas canisters in sizes from 20 to 58 litre, which contain 1 to 4 gases that are convenient and easy to use for response testing of gas detection equipment.

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