

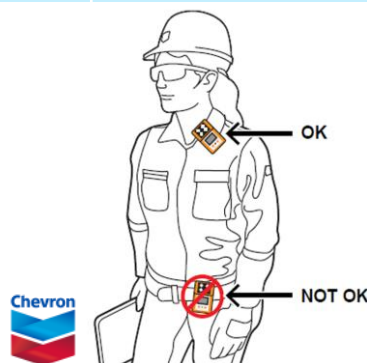
# Gas Detection Equipment

## Active Pump Gas Detectors vs. Personal (Passive) Gas Detectors



Active Gas Detector (Active)	Personal Gas Detector (Passive)
Handheld, active pump, with tubing and/or wand	Personal passive gas detector, Clip on around breathing zone
Pump draws Ox/LEL/Tx gases from atmosphere through tubing/wand from point of sampling at various levels. (Pump check required before use)	Tests air that passes over filters, predominantly suitable for detecting lack of oxygen and presence of toxic gases such as Methane and CO (Specific gravity < 1) around breathing zone / point of operation
Primarily used for initial, renewal, revalidation atmospheric testing before issuing permit and periodic retesting / continuous gas monitoring to ensure condition hasn't changed in hazardous areas (i.e., confined spaces)	Only designed for personal alarm purposes. <b><u>Not an air monitoring device</u></b> and must not be used in place of active pump gas detector  Can be used as continuous monitoring in open air environments during hot work tasks after initial testing with active pump gas detector (as defined by site)

Note: Daily bump testing and monthly calibration required on all gas detection devices to include personal gas detectors



- Personal gas detectors must be worn in the breathing zone, which ranges between the collar bone and ear (e.g., the front shirt pocket or lapel)
- Wearers must ensure that sensors are not covered or obstructed in any way