

Product Information

GD10 Handheld Terminal Improvements

Extended Features



1. Elevation Compensation

Standard GD10s are calibrated for use at sea level, and the effect of operating at a higher altitude corresponds with the change in air pressure. The detector measures the amount of gas molecules, not the relative proportion. At lower pressure (higher elevation/altitude) the mixture ratio stays approximately the same, but the actual amount of gas changes. Using a standard GD10 in a low pressure environment would make it less sensitive to gas.

To enable the operator to compensate for the change of air pressure in higher altitude applications, the elevation compensation function has been added as a standard function.

2. Auto-zero Status

The GD10P: Methane 50%LEL, 100% LEL and GD10PE: Methane 20%LEL is supplied with the Auto-zero function enabled. This function compensates for, and hides small drifts around zero.

If the detector is mounted in an application where there is expected to be background gas concentrations, often the operator wants to see this signal in the control system. To enable this, a function has been added to the HHT that allow the operator to see if the Auto-zero function is active or not, and then turn it on or off accordingly.

3. Display Temperature

The GD10 detectors is continuously monitoring its internal temperature, and storing what, at any point of time, is the highest value the internals have been exposed to. When doing maintenance work, it can be interesting for the operator to see if the detector has been subjected to excessive high temperatures, and that is why the Display temp function has been added. This function will also show the current internal temperature of the detector.

4. Set Response Time

The default setting of response time for most detectors is 5 sec. For Methane and Propane detectors, there is also a 1 sec variant available. Up till now, change of this setting has only been possible in the factory. With the new functions in the Handheld Terminal, it is possible for the customer to do this. It is to be noted that only Methane and Propane detectors can be configured. For all other gases, please check with the factory if it is advisable.

The improved Handheld Terminal (HHT) is now available at the same price. For further information, please contact:-

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