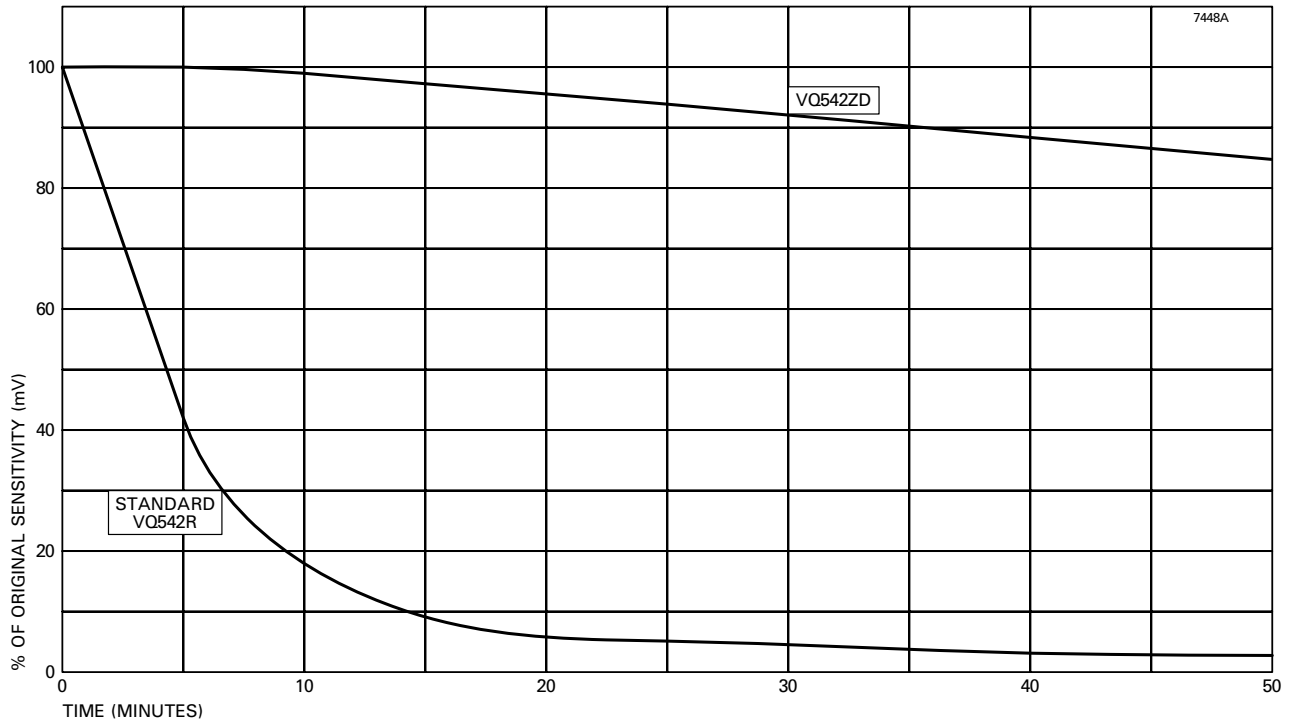


## MAJOR PARAMETERS

| Sensor Type | Operating DC Voltage (V) | Sensor Current (mA) | Sensitivity (mV/% vol.)        | Offset (mV) | Poison Resistance              | Outline (page 4) | Description  |
|-------------|--------------------------|---------------------|--------------------------------|-------------|--------------------------------|------------------|--|
| VQ542R      | 4.25 ± 0.1               | 50 to 60            | 30 to 50<br>(1% methane)       | ±10         | Some                           | A                | Low power, general purpose sensor  |
| VQ542RD     | 4.25 ± 0.1               | 50 to 60            | 30 to 50<br>(1% methane)       | ±10         | Some                           | B                | Low power, general purpose sensor  |
| VQ542ZD     | 4.25 ± 0.1               | 50 to 60            | 30 minimum<br>(1% methane)     | ±20         | Silicones                      | B                | Low power, silicone poisoning and shock resistant sensor                   |
| VQ545ZD     | 3.0 ± 0.1                | 67 to 80            | 20 minimum<br>(1% methane)     | ±20         | Silicones                      | B                | Low power, silicone poisoning and shock resistant sensor                   |
| VQ546M      | 4.25 ± 0.1               | 50 to 60            | -4.0 minimum<br>(2.5% methane) | ±15         | Not required                   | A                | Thermal conductivity sensor, methane negative output                       |
| VQ546MR     | 4.25 ± 0.1               | 50 to 60            | 4.0 minimum<br>(2.5% methane)  | ±15         | Not required                   | A                | Thermal conductivity sensor, methane positive output                       |
| VQ547TS     | 3.0 ± 0.1                | 40 to 50            | 21 minimum<br>(1.5% ammonia)   | ±30         | Some                           | A                | Low power, LEL ammonia sensor  |
| VQ548ZD     | 3.0 ± 0.1                | 67 to 80            | 20 minimum<br>(1% methane)     | ±20         | Silicones and H <sub>2</sub> S | B                | Low power, silicone poisoning, H <sub>2</sub> S and shock resistant sensor |
| VQ549ZD     | 4.25 ± 0.1               | 50 to 60            | 30 minimum<br>(1% methane)     | ±20         | Silicones and H <sub>2</sub> S | B                | Low power, silicone poisoning, H <sub>2</sub> S and shock resistant sensor |

**TYPICAL SILICONE POISON RESISTANCE TO 20 ppm HMDS IN 2.5% METHANE**



**TYPICAL VQ549ZD ACCELERATED H<sub>2</sub>S EXPOSURE TEST  
100 ppm H<sub>2</sub>S/2.5% CH<sub>4</sub> BAL. AIR**

