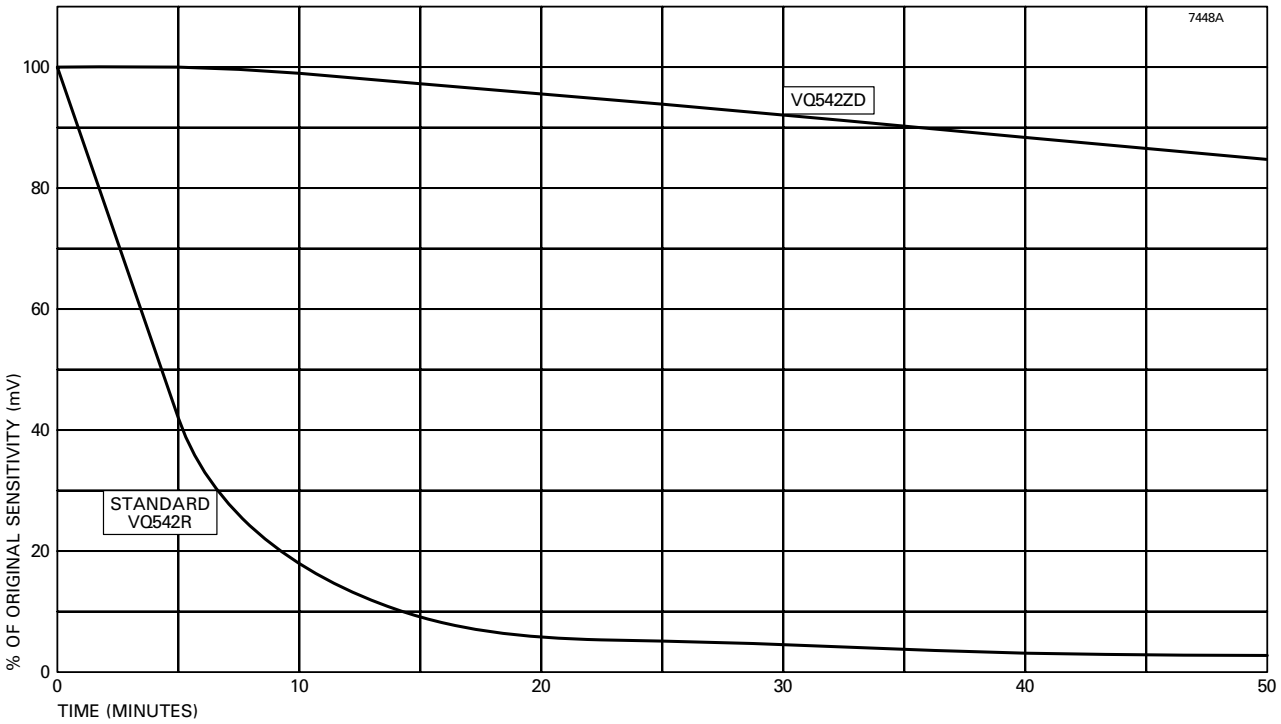
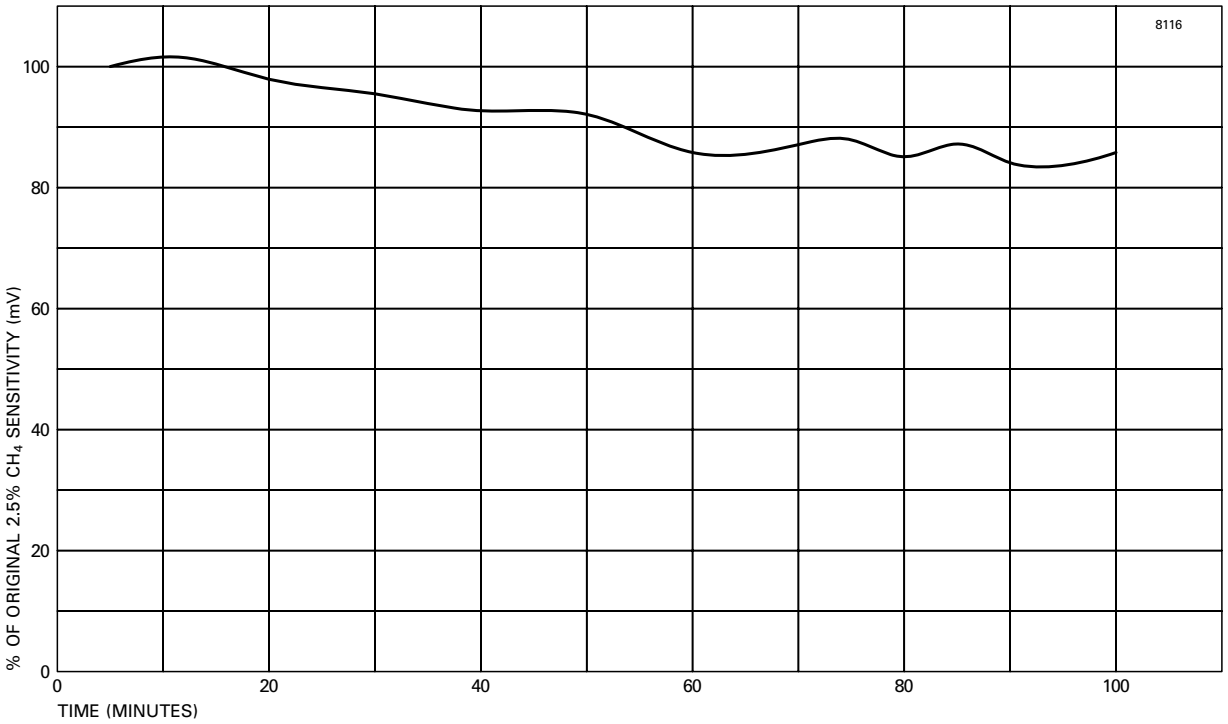
MAJOR PARAMETERS

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 (1% methane)	±10	Some	A	Low power, general purpose sensor
VQ542RD	4.25 ± 0.1	50 to 60	30 to 50 (1% methane)	±10	Some	B	Low power, general purpose sensor
VQ542ZD	4.25 ± 0.1	50 to 60	30 minimum (1% methane)	±20	Silicones	B	Low power, silicone poisoning and shock resistant sensor
VQ545ZD	3.0 ± 0.1	67 to 80	20 minimum (1% methane)	±20	Silicones	B	Low power, silicone poisoning and shock resistant sensor
VQ546M	4.25 ± 0.1	50 to 60	−4.0 minimum (2.5% methane)	±15	Not required	A	Thermal conductivity sensor, methane negative output
VQ546MR	4.25 ± 0.1	50 to 60	4.0 minimum (2.5% methane)	±15	Not required	A	Thermal conductivity sensor, methane positive output
VQ547TS	3.0 ± 0.1	40 to 50	21 minimum (1.5% ammonia)	±30	Some	A	Low power, LEL ammonia sensor
VQ548ZD	3.0 ± 0.1	67 to 80	20 minimum (1% methane)	±20	Silicones and H_2S	B	Low power, silicone poisoning, H_2S and shock resistant sensor
VQ549ZD	4.25 ± 0.1	50 to 60	30 minimum (1% methane)	±20	Silicones and H_2S	B	Low power, silicone poisoning, H_2S and shock resistant sensor

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



TYPICAL VQ549ZD ACCELERATED H_2S EXPOSURE TEST
100 ppm H_2S/2.5% CH_4 BAL. AIR