

# Flammable gas sensors: cost of ownership

	R-GAS-FLAMMABLE	Gas sensors requiring routine field calibration
Commissioning cost:		
Cost of calibration	\$0	\$100 (when not pre-calibrated)
Cost of bump test	\$75	\$75
Annual cost:		
Cost of bump test per year	\$75	\$75 with up to 2x bump tests per year
Cost of calibration per year	\$0	\$100 with up to 2x calibrations per year
Hardware cost:		
Replacing sensor cells every 3-5y	\$0	\$475 per replacement (cell + calibration + bump)

The R-GAS-FLAMMABLE can deliver up to 82% lower TCO for BESS operators compared with routinely calibrated gas sensors over a 10-year period.

Model-based, illustrative estimate based on the maintenance schedule shown above with H<sub>2</sub> as target gas. “Calibration-free” refers to no routine field calibration per manufacturer documentation; commissioning checks, bump-tests, or inspections may still be required by site policy or the AHJ. Actual requirements and costs vary by make/model, service provider, site conditions and other criteria. Not a quote or performance guarantee. No claim is made about any specific model or brand.

