

# GAS DETECTION LIST

●Description of categories

Category		Description																				
GAS DATA	Detection Gas	Search names of target gases.																				
	Gas Symbol	Search gas symbols adopted in RIKEN KEIKI. "Gas Symbol" is displayed on a screen in detectors or indicatio alarm units. (* Some models do not display gas symbols)																				
	CAS Number	Search CAS Numbers. Please search a gas by the number when you cannot find it by "Detection Gas". Ex) A target gas has several names. * "CAS Number" is noted on SDS(Safety Data Sheet) of each gas.																				
	Chemical Formula	Search chemical formulas of target gases.																				
DETECTION DATA	Principle	<p>Seach sensor principles. The principles are represented as following.</p> <table border="1"> <tr> <td>HW</td> <td>Catalytic combustion type/New ceramic type</td> </tr> <tr> <td>SG</td> <td>Semiconductor type</td> </tr> <tr> <td>SH</td> <td>Hot-wire semiconductor type</td> </tr> <tr> <td>TE</td> <td>Thermal conductivity type</td> </tr> <tr> <td>ES</td> <td>Electrochemical type</td> </tr> <tr> <td>OS</td> <td>Galvanic cell typ</td> </tr> <tr> <td>SS</td> <td>Pyrolysis-Particle type</td> </tr> <tr> <td>RI</td> <td>Non-dispersive infrared type</td> </tr> <tr> <td>PID</td> <td>Photoionization type</td> </tr> <tr> <td>FP</td> <td>Derection tape photoelectric photometry</td> </tr> </table>	HW	Catalytic combustion type/New ceramic type	SG	Semiconductor type	SH	Hot-wire semiconductor type	TE	Thermal conductivity type	ES	Electrochemical type	OS	Galvanic cell typ	SS	Pyrolysis-Particle type	RI	Non-dispersive infrared type	PID	Photoionization type	FP	Derection tape photoelectric photometry
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Sensor	Search sensor models.																					
Portable/Fixed	Search either Portable or Fixed detectors.																					
Detector	Search detector models. The data of each detector includes a target gas list.																					
Measuring Range	<p>Search measuring ranges of detectors and sensors.</p> <p>Ex 1) 0~500ppm/0~1000ppm/0~2000ppm/0~3000ppm/0~5000ppm ⇒ measurable within the range</p> <p>Ex 2) 0~100%LEL ⇒ measurable only the range 0~100%LEL</p> <p>Ex 3) ~100%LEL/~18000ppm ⇒ maximum measurable range is 0~100%LEL (ppm conversion: 0~18000ppm) . If you want to measure lower range, please contact to RIKEN KEIKI.</p>																					
Remarks	Features of sensors and detectors noted.																					

























































































Revision History List

Rev.	Revised Date	Revised contents
0	2018.12.6	First issue
1	2019/10/30	Correction of measuring range(trans-1,2-Dichloroethylene,NC-6250)
2	2020/1/29	EC-831 ⇒ ES-831