

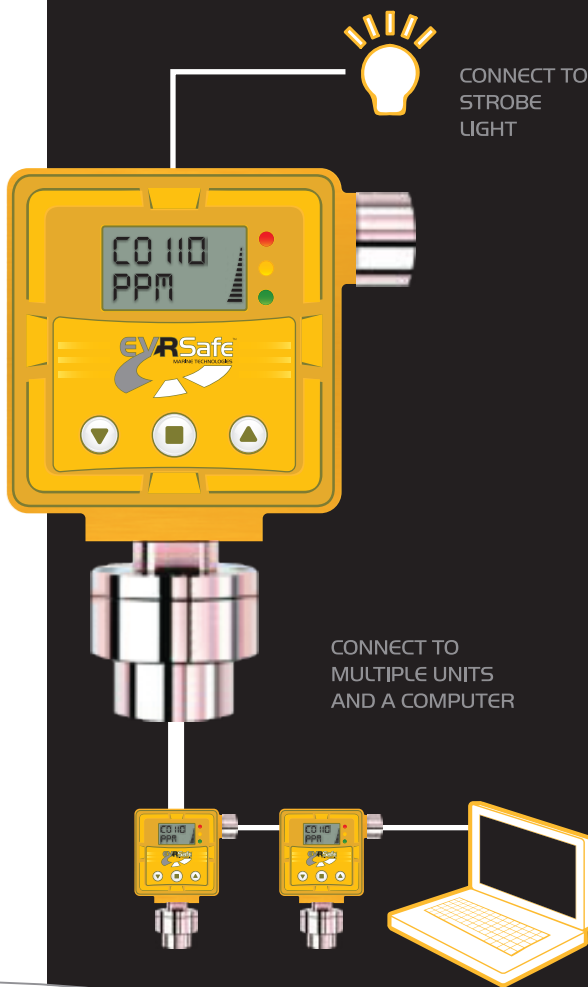
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CMS 5000 SERIES



Refrigerant Sensor

TECHNICAL SPECIFICATIONS



SPECIFICATIONS

Standard circuit conditions	Heater Voltage	V_H	5.0±0.2V DC/AC	
	Circuit voltage	V_C	Max. 24V (DC only)	$P_S \leq 15mW$
	Load resistance	R_L	Variable	$P_S \leq 15mW$
Electrical characteristics under standard test conditions	Heater resistance	R_H	30±3Ω at room temp.	
	Heater current	I_H	167mA	
	Heater power consumption	P_H	833mW	$V_H = 5.0V DC$
	Sensor resistance	R_S	20~100kΩ in 50ppm ammonia	
	Sensitivity (change ratio of R_S)		0.55 ± 0.15	$\frac{R_S (150ppm)}{R_S (50ppm)}$
Standard test conditions	Test gas conditions		Ammonia in air at 20±2°C, 65±5%RH	
	Circuit conditions		$V_C = 5.0 \pm 0.01V DC$ $V_H = 5.0 \pm 0.05V DC$ $R_L = 33k\Omega \pm 1\%$	
	Conditioning period before test		7 days	

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