

**SENSOR
SAFE**

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ZC61

Vehicle Hydrogen Leakage Sensor

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Introducing the **ZC61**
hydrogen sensor

Passed Automotive grade
reliability test

High Selectivity

Low power consumption: 0.3W



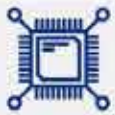
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Detection concentration: 0-4% VOL



PRODUCT INTRODUCTION

H2SS - Vehicle Hydrogen Leakage Sensor is mainly used in hydrogen fuel cell engine and hydrogen gas supply pipeline system to monitor hydrogen leakage. It adopts MEMS process catalytic combustion sensor to detect hydrogen concentration, and is a high-performance sensor made by closely combining mature detection technology and high quality design circuit.



MEMS process
intelligent algorithm



Anti-electromagnetic
interference



CAN interface output



Excellent repeatability
and stability



Long service life

APPLICATION FIELDS



Hydrogen Transportation



Automotive

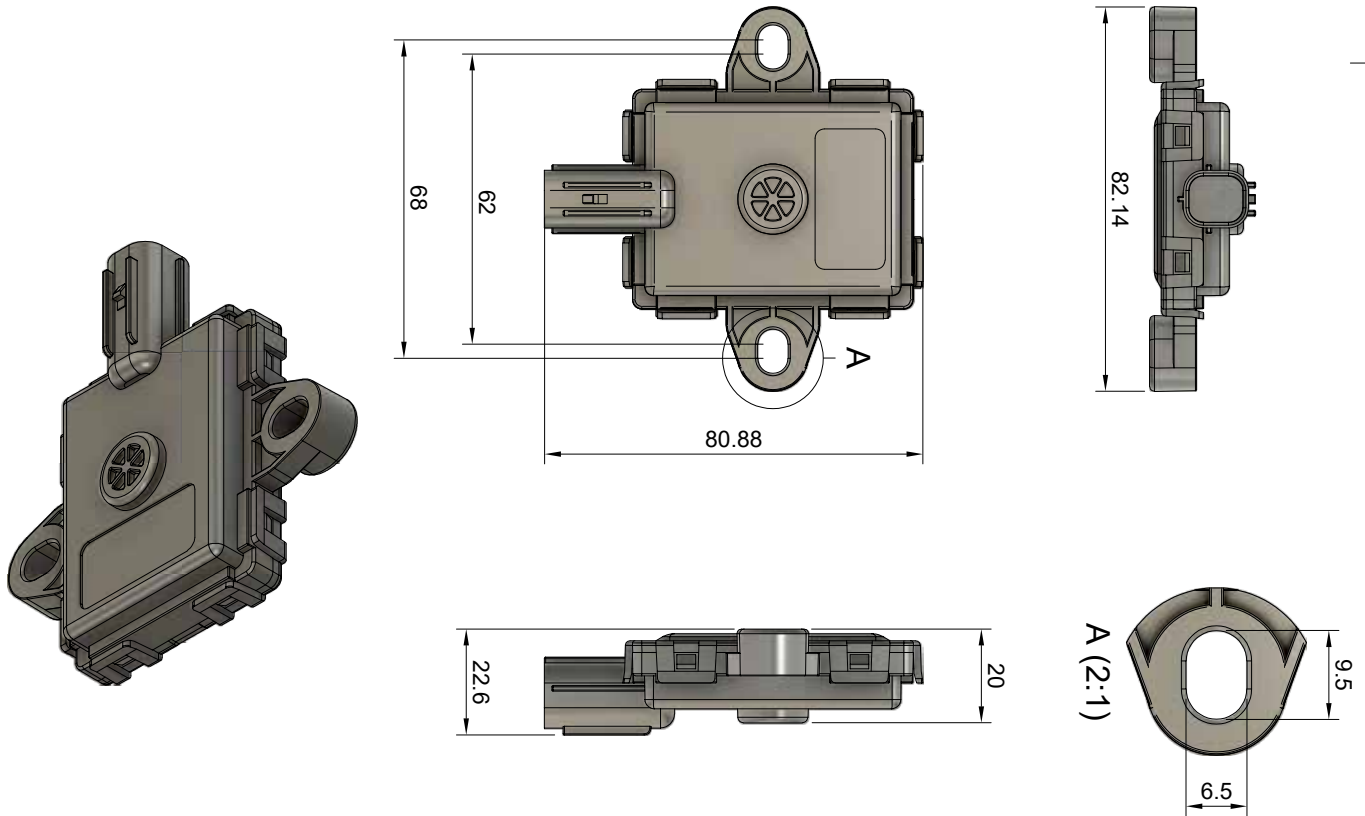


Hydrogen vehicles



Hydrogen Distribution

ZC61 Vehicle Hydrogen Leakage Sensor



TECHNICAL FEATURES

Detection technology	Catalytic combustion
Detection gas	Hydrogen (H ₂)
Power supply voltage	12V/24V DC (9-36V DC)
Measuring range	0- 40.000 ppm
Detection accuracy	±1000 PPM is less than 1% H ₂ & ±10% is higher than 1% H ₂
Response time	T ₉₀ : ≤3s
Start-up time	≤1s
Recovery time	≤10s
Rated current	<15mA
Power consumption	≤0.2W@DC 12V / ≤0.2W@DC 24V
Operating temperature	-40°C~85°C
Operating humidity	≤95% RH (no condensation)
Storage temperature	-40°C +125°C
Protection level	IP68
Catalytic conditions	The oxygen concentration not less than 15%
Output signal	CAN