

Hydrogen Sensor Module - Hydrogen Detector



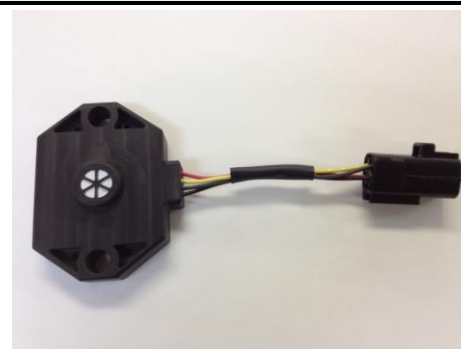
Model	EVM-HY01-HXX	FH2-HY01-HXX	FH2-HY02-HXX
Principle	Catalytic combustion (element size 0.5mm φ)	Wired Catalytic combustion (element size 0.3mm φ)	Wired Catalytic combustion (element size 0.3mm φ)
Measurable concentration	①0.1~4%、 ②0.05~2% ※selectable	0.1~4%	0.1~4%
Accuracy	± 1 0%	± 1 0%	± 1 0%
Supply Voltage	12V±10% DC	12V (9~16V) DC	12V (9~16V) DC
Power consumption	1.3W	1000mW	1000mW
Size(Dimensions/Weight)	70mm×60mm(without indication) 50g 70mm×92.5mm(with indication) 80g	50mm×55×18mm(without mounting frame) 64g	47.5mm×59.5×22.5mm(without mounting frame) 50g
Operating temp./hum. Storage temp./hum.	-20 to 65C, Lower than 95%R.H. -30 to 85C, Lower than 95%R.H.	-30 to 85C, Lower than 95%R.H. -40 to 105C, Lower than 95%R.H.	-30 to 85C, Lower than 95%R.H. -40 to 105C, Lower than 95%R.H.
Warm-up time	Less than 2 seconds (80% F.S.)	Less than 1 seconds (80% F.S.)	Less than 1 seconds (80% F.S.)
Response time	Less than 5 seconds (80% F.S.)	Less than 2 seconds (80% F.S.)	Less than 2 seconds (80% F.S.)
Output	0.5 to 4.5V proportional to gas conc.	0.5 to 4.5V proportional to gas conc.	PWM:250Hz±0.5% proportional to gas conc.
Life	More than 5 years without maintenance *Normal condition	More than 5 years without maintenance *Normal condition	More than 5 years without maintenance *Normal condition
Selectivity	H2 selective (other noise gas sens.:lower than 1/10)	H2 selective (other noise gas sens.:lower than 1/10)	H2 selective (other noise gas sens.:lower than 1/10)
decay durability	No silicone gas poisoned (・Nox ・Sox)	No silicone gas poisoned (・Nox ・Sox)	No silicone gas poisoned (・Nox ・Sox)
remarks	For monitor and measurement	For Automobil	For Automobil

Pictures

with indication



without indication



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This specification may be changed without a preliminary announcement. Please confirm in the case of order.