

Hydrogen Sensor Module · Hydrogen Detector



Model	EVM-HY01-HXX	FH2-HY01-HXX	FH2-HY02-HXX
Principle	Catalytic combustion (Element size 0.5mm)	Wired catalytic combustion (Element size 0.3mm)	Wired catalytic combustion (Element size 0.3mm)
Measurable concentration	0.1 to 4%、 0.05 to 2% Selectable	0.1 to 4%	0.1 to 4%
Accuracy	± 10%	± 10%	± 10%
Supply Voltage	12V±10% DC	12V (9 to 16V) DC	12V (9 to 16V) DC
Power consumption	1.3W	480mW	380mW
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 * Under normal condition	More than 5 years without maintenance * Under normal condition	More than 5 years without maintenance * Under 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)
Durability	No silicone gas poisoned	No silicone gas poisoned	No silicone gas poisoned
Application	General	Automobil	Automobil

