

Hydrogen Detector & Hydrogen Sensor Module

Item	FH2-HY04-GS2	FH2-HY05-GS2	FH2-HY06-GS2	FH2-HY11
Appearance				
Detection gas	Hydrogen	Hydrogen	Hydrogen	Hydrogen
Detection range	0 ~ 4 vol.% in air	0 ~ 4 vol.% in air	0 ~ 4 vol.% in air	0 ~ 4 vol.% in air
Initial detection accuracy	± 10% (above 1 vol.%)	± 10% (above 1 vol.%)	± 10% (above 1 vol.%)	± 10% (above 1 vol.%)
Response speed (T90)	≤ 3 sec	≤ 3 sec	≤ 3 sec	≤ 3 sec
Start-up time	≤ 1 sec	≤ 1 sec ※ output conc. data 3 sec later after power on.	≤ 1 sec	≤ 1 sec
Supply voltage	12V (9 ~ 16 V) DC	12V (8 ~ 16 V) DC	24V (16 ~ 32 V) DC	5V (4.75 ~ 5.25 V) DC
Power consumption	≤1.0W (stable)	≤0.5W (stable)	≤0.5W (stable)	0.25W
Output signal	PWM (10 ~ 90% duty)	CAN (Standard format) Baud rate : 500 kbps 500ppm/digit	CAN (Expansion format) Baud rate : 250 kbps 500ppm/digit	Analog 0.5 ~ 4.5 V
Output interval	100 msec	100 msec	100 msec	100 msec
Operating temperature	-40°C ~ 85°C	-40°C ~ 105°C	-40°C ~ 85°C	-35°C ~ 85°C
Storage temperature	-40°C ~ 105°C	-40°C ~ 105°C	-40°C ~ 105°C	-40°C ~ 85°C
Humidity	0 ~ 100%RH (no condensation)	0 ~ 100%RH (no condensation)	0 ~ 100%RH (no condensation)	0 ~ 100%RH (no condensation)
IP class	IP6K7	IP6K7	IP6K7	-
Size : mm	82.6(W) x 80.7(D) x 22.5(H)	82.6(W) x 80.7(D) x 22.5(H)	82.6(W) x 80.7(D) x 22.5(H)	51.5(W) x 45.4(D) x 20.3(H)
Weight	58g	60g	60g	25 g
Usage	FCV (passenger vehicle)	FCV (passenger vehicle)	FCV (commercial vehicle)	FC backup power supply