

H2SENSE-CC2410

HYDROGEN DETECTOR /TRANSMITTER

REV: 16102018



PREFACE

Acorn Controls offers H2 Sensor with Catalytic Pellistor based Hydrogen Gas measurements.

- Proven Catalytic combustion sensor
- State of art technology sensor
- Long sensor life > 2years, zero maintenance
- Low power, Three wire device
- Quick Response / Ceiling mount design
- 4% H2 ranges- balance air : H2SENSE-CC2410-4
- 2% H2 ranges- balance air : H2SENSE-CC2410-2 (on special request)



SPECIFICATIONS

1	Transducer	Sealed Ref. filament, Sintered Brass filter for measuring filament
2	External power requirement	24 Vdc +/-5 % ~ 80mA max
3	Cross Sensitivity	Sensitive to Methane and other combustibles
4	Sensor Technology	Catalytic Combustions Pellister based
5	Dimensions & Weight	Ø120 x 50 mm to flanged head ø110 x 4 mm., ~ 200 gms
6	Sampling	By Diffusion
7	Sensing Coverage Area	Recommended for Coverage Area 3 to 4 Mtrs in diameter
8	Housing Material	ABS
9A	Output (Control Signal) For H2SENSE2410-2	Option 2%FS : 0 to 10 Vdc (0%H2 := 0 V(±5mV), 2 %H2 in Air = 10.0 V (±0.5V))
9B	Output (Control Signal) For H2SENSE2410-4	Option 4 %FS : 0 to 10 Vdc (0%H2 := 0 V(±5mV), 4 %H2 in Air = 10.0 V (±0.5V))
10	Response Time	< 3 seconds
11	Accuracy	+/- 0.2% H2 max for 2% H2 FS +/- 0.4% H2 for 4% H2 FS
12	Max O/P current loading	< = 0.5mA
13	Recommended Sensor Signal cable	3-core + shield, Teflon insulated , 7/ 32 SWG tinned Cu , max 20 Mtrs
14	Operating conditions	Operating : 0 to 55°C , Storage : -10°C to 60°C , max 98% Humidity
15	Protection	For The electronics only: IP54
16	Mounting	Ceiling mounted through fixing screws x 3 Nos. , at 110 PCD.

Manufactured By :
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Marketed By :

Specifications subject to change due to continuous development please confirm before ordering.