



Incorporated

Hycision-100M

Technical Specifications

C-Squared's Hycision-10M is a hydrogen sensing module based on the thermal conductivity principle. The sensor employs a patented (US 6,807,843) thin film technology for great stability and high accuracy. Two thin film thermal elements are used in the sensor, one as the reference and the other as the sensing element. Both thin film elements are passivated with thick film glass for a long service life.

Range:	0 – 100% (v/v)
Accuracy:	± 1%
Repeatability:	0.2%
90% Response time:	< 60 sec.
Output:	0 – 100 mV
Linearity	Within 3%
Sensor Life:	60 months
Warranty:	12 months under standard conditions of use.
Operating Temp:	0 - 50° C
Operating Humidity:	0 – 95% RH
Storage Temperature:	-10 to 60° C
Temperature Compensation:	Compensated
Power:	Regulated 5.00V, 70mA Unregulated 3.50V, 200 mA

All products specifications are at sea level, 25°C, and ambient conditions designed for use in safety monitoring. All products are calibrated before shipping. The user is responsible to verify the measurement accuracy during the application.

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