



Incorporated

## Hycision-100

### 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.

The Hycision-10 is a hand-hold unit. It comes with three options of sampling method (flow-through, open space, and discrete) to accommodate difference application requirements. The flow-through sampling method is standard for industrial process monitoring; the open space is for ambient monitoring; the discrete method is capable of sealing the sample gas (<1cc) in the unit for testing which is perfect for small sample testing, and avoiding unnecessary sample gas bleeding.

Range:	0 – 100% (v/v)
Accuracy:	± 1%
Repeatability:	0.2%
Resolution	0.01%
90% Response time:	< 60 sec.
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:	Rechargeable Nickel Metal Hydride Battery
Battery Life:	3.5 hr.
Weight:	6.4 oz,
Dimension LxWxH	3.5 x 2.5 x 1.5 (9 x 6.1 x 3.6) inch (cm)

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.

V:03/30/07

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