

MEMS Humidity and Gas Test

From 5% rH to 80% rH and up to 2 Gases at Temperature



Automotive



Mobility



IoT/IoV & Optoelectronics



Computing & Network



Industrial & Medical



Consumer

Productivity

- Humidity range between 5% and 80% across a temp range of +10°C to +70°C
- Multisite by x4 up to x144 resulting in higher throughput at all temperatures
- Typical FPY of up to 99.8%

Flexibility



- Humidity, temperature and gas sensing on the same base platform
- Can be integrated onto an existing InBaro platform to increase your sensor portfolio coverage
- Solutions for different packages and form factors on both gravity and strip test


- Temp accuracy down to $\pm 1^\circ\text{C}$
- Parallelism up to 144 sites
- Package sizes from 0.8 mm up to 15 mm
- +10°C to +70°C temperature range
- Testing of 2 different sensor types in a single setup
- Gravity, Strip and Carrier solutions available

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Specification Comparison Across all Cohu Humidity and Gas Platforms

Criteria	InHumid	MT9928
		
Humidity Range	5% rH to 80% rH	10% to 80%
Dewpoint	-20°C to +50°C	Dependant on 3rd party Hg specification
Humidity Accuracy	± 1%	Dependant on 3rd party Hg specification
Humidity Stability	± 0.5 %	Dependant on 3rd party Hg specification
Temp Range	+10°C to +70°C	+10°C to +70°C
Temp Accuracy	± 1°C	<± 4°C
Max. Parallelism	Typical 144	4 sites
Input/output Media	Strip or Carrier	Tube or Bowl/Bulk

Criteria	InGas
	
Gases	Up to 2 different gases
Gas Types	Environmental gases, non-toxic concentrations
Typical Gas	CO, CO ₂ , NO, O EtOh
Gas Mixing Unit	Adrop
Temp Range	Dependant on gas type
Temp Accuracy	± 1°C
Max. Parallelism	Typical 144
Input/output Media	Strip or Carrier

Specifications subject to change without notice. For detailed performance specifications, please contact Cohu.