

MEMS Pressure Test

Solutions for barometric, differential and high pressure test



Automotive



Mobility



IoT/IoV & Optoelectronics



Computing & Network



Industrial & Medical



Consumer

Productivity

- Pressure ranges from 100 mbar to 50 bar with fast pressure switching times
- Multisite from x8 up to x32 resulting in higher throughput
- Typical FPY of up to 99.8%

Flexibility

- Barometric, Differential, as well as TPMS capability on the same base platform
- Solutions for different packages across different loading media, tray and strip test

- Parallelism up to 32 sites
- Full automotive MEMS temperature range
- Package sizes from 0.8 mm up to 35 mm
- Pick & Place and Strip solutions available

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Specification Comparison Across all Cohu Pressure Platforms

Criteria	Jaguar	MATRiX II	MATRiX II Differential
			
Pressure range	100 mbar to 4 bar	x16 100 mbar - 16 bar x32 100 mbar - 10 bar x8 200mbar - 50bar (upon request)	x32(A) 500 mbar - 1.5 bar
Pressure accuracy	$\pm 0.1\%$ to $\pm 2\%$ (with Mensor)	$\pm 0.1\%$ to $\pm 2\%$ (with Mensor)	$\pm 0.1\%$ to $\pm 2\%$ (with Mensor)
Pressure switching time	< 1 sec all pressure levels (Mensor)	< 1 sec all pressure levels (Mensor)	< 1 sec all pressure levels (Mensor)
No. of pre-set pressure levels	4 (up to 6) (Mensor)	4 (up to 6) (Mensor)	4 (up to 6) (Mensor)
Temp range	-45°C to 155°C	-45°C to 155°C	-45°C to 155°C
Temp accuracy	$< \pm 4^\circ\text{C}$ (-40°C to 150°C)	$< \pm 4^\circ\text{C}$ (-40 °C to 135°C)	$< \pm 4^\circ\text{C}$ (-40°C to 135°C)
Max. parallelism	24	32 / 16 / 8	32 / 16

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