



GENERAL

Product	Thin-Film Temp & Pressure Sensor
Model	GRIDENCE TPS-590
Construction	Flexible thin-film laminate
Connection	Edge-card tab (DDR-compatible)

PRESSURE ARRAY

Column pitch / count	3.65 mm × 160
Row pitch / count	1.10 mm × 73
Total sensing points	11,680
Point density	25 points / cm²

COMPATIBILITY & SUPPORT

Acquisition unit	GRIDENCE DAQ-100
Warranty	12-month limited warranty

SENSING AREA

Sensor frame (L × W)	590 × 98 mm (23.2 × 3.9 in)
Active array (W × L)	80 × 584 mm (3.1 × 23.0 in)
Lead length	250 mm (9.8 in)
Tab width	60 mm (2.4 in)

TEMPERATURE SENSING

Temperature channels	16
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PERFORMANCE

Pressure ranges	100 / 350 / 500 PSI
Operating temperature	-4 °F to 248 °F (-20 to 120 °C)

Compliance and certification documentation available upon request.