



GENERAL	
Product	Data Acquisition Unit
Model	GRIDENCE DAQ-100
Series	G-Series Pressure Mapping
Software	GRIDENCE DAQ Studio (included)

CONNECTIVITY & INTERFACE	
Data interface	USB 2.0 / WLAN 2.4 GHz
Wireless standard	IEEE 802.11n, > 65 ft (20 m)
Sensor interface	High-durability edge-card (DDR)
Device connector	Self-locking aviation-grade USB
External output	RS-485 / CAN to BMS

ENVIRONMENTAL	
Operating temperature	-40 °F to 176 °F (-40 to 80 °C)
Operating humidity	Up to 85% RH, non-condensing

MEASUREMENT PERFORMANCE	
Sensing points	Up to 4,096 points
Scan rate	Up to 100 Hz
Pressure resolution	256 levels (8-bit)
Adjustable gain	256 × 8 sensitivity levels

ELECTRICAL	
Power consumption	< 3 W
Supply	12 V DC, 0.2 A

PHYSICAL	
Dimensions	146 × 100 × 19 mm (5.7 × 3.9 × 0.7 in)
Weight	295 g (10.4 oz)
Processor	Dedicated high-speed DSP

COMPATIBILITY & SUPPORT	
Compatible sensors	GRIDENCE TPS-series thin-film
Warranty	12-month limited warranty

Compliance and certification documentation available upon request.