

Pressure Sensor	Semiconductor (strain gauge)
Pressure Range (Nominal)	0 to 5 Bar (0 to 72.5 PSIA)
Pressure Resolution	0.1m Bar (0.0015 PSIA)
Pressure Response Time	0.1ms (10 to 90% FSR)
Repeatability	±0.5% FSR; ±0.2% typical
Calibrated Accuracy	±0.03 Bar (±0.435 PSI), 20°C to +140°C (68°F to +284°F)
Memory	32,700 readings; software configurable memory wrap
Reading Rate	1 second to once every 24 hours
Required Interface Package	IFC400
Baud Rate	125,000 baud
Typical Battery Life	2 years
Operating Environment	-20°C to +140°C (-4°F to +284°F); 0 to 100%RH
Dimensions	Flush Top: 2.0" x 1.0" dia. (50.8mm x 25.4mm dia.) NPT Pressure Port Top: 2.3" x 1.0" dia. (58.2mm x 25.4mm dia.)
Submersible	Yes (IP68)
Material	Stainless Steel
Weight	3oz (85g)
Approvals	CE

Battery Warning

WARNING: FIRE, EXPLOSION, AND SEVERE BURN HAZARD. DO NOT SHORT CIRCUIT, CHARGE, FORCE OVER DISCHARGE, DISASSEMBLE, CRUSH, PENETRATE OR INCINERATE. BATTERY MAY LEAK OR EXPLODE IF HEATED ABOVE 140°C (284°F).

Specifications subject to change.

See MadgeTech's terms and conditions at www.madgetech.com

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PR140



PR140
High Temperature Pressure Data Logger

