

Geosignal Instruments™

Pressure logger PF102

Australian P. Patent 2011900339

Technical Specifications



Please note that specifications may change without notice.

Model	PF102	
Analog channels	2	Pressure, temperature 4096 subdivisions of FS
Full Scale (FS)	PA	from 10 kPA to 140 mPA
Maximum Pressure	FS	1.5 times Full Scale
Sensor Accuracy	%FS	0.25
Temperature error	mV	-0.2mV / °C (Typical)
Repeatability	%FS	0.1
A/D converter	1	12 bit
Accuracy	1	Bit
Internal reference	1	2.048V
Program length	1020	Characters/commands
Scan Rate	Sam/sec	Pressure single channel: Up 85 measure per second (256 in burst mode). Temperature and pressure (two channels): up to one measure per second.
Memory		Proprietary detachable Cards 2.5 / 5 / 10 Mega Samples. Internal 80 K samples
Power supply	1	2.4V 150ma/h NiMH
Ext. Power supply		2.4V depending on battery configuration
Current absorption	uA	30 on standby
Communications	1	Serial
USB/RS232 Serial cable	No	Buffered (sold separately)
Internal Timer	Yes	Date & Time 32 bit
Sampling interval	Sec	From 1 seconds to days in slow mode From 1/256 to 1 second in fast mode
Software	Yes	(for Windows)
Operating Temp.	°C	-40 + 85 (battery excluded)
Dimensions (maximum)	mm	25.4 x 120 mm < 2mPa 25.4 x 145 mm > 2mPa
Protection Grade		IP67
Hydraulic connection		1/4" BSP or 1/4" NPT
Overpressure		1.5 x FS

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Order Code

Order code PF102_ FSrange

Fsrange: 100 kPA (1), 200 kPA (2), 500 kPA (5), 1mPA (10), 2mPA (20), 5 mPA (50), 10 mPA (100),
20 mPA (200), 35 mPA (350), 40 mPA (400), 50 mPA (500), (70 mPA (700),
R relative (gauge default); A absolute
Also Available in PSI (example: _PSI5000)

Note: not all ranges are at stock.

Example

1. PF102-20 is 2mPA FS gauge
2. PF102-10A is 1mPA FS absolute.