

Piezoelectric

Dual-Channel With RTD



Application

The Surface Logger Mark 2 is used to measure and record two input pressures and a process temperature by RTD probe. It's intended to work in a wide variety of outdoor environments, featuring weather-proof housing and connectors. The data can be exported to a microSD™ card through the Logger Data Transfer Module, then loaded onto a PC to be read by the DataCan Download Software.

Features

- Welded Sensor (No O-Rings)
- Extreme Service Reliability
- 20 Million Sample Capacity
- Intrinsically Safe
- Powered by Field Replaceable 1 x 'D' Battery Pack

Mark 2 Logger

Pressure	Temperature	Connection	Part No.
750 psi	-30°C to 80°C	1/2" NPT	109652
1,500 psi			109653
3,000 psi			109654
5,000 psi			109655
10,000 psi			109656

Accessories

Accessory Type	Part No.
Pelican Case Assembly	109876
USB Download Cable	100682
4" RTD Probe- Swappable (0.5°C Accuracy)	109900
4" RTD Probe- Partnered (0.2°C Accuracy)	109681
6' RTD Cable	109695
Logger Data Transfer Module	109677
Hand Tool Kit	109753
Thread Saver - 1/2" NPTM x 1/2" NPTF	109689

Compatible Batteries

Size	Max Temp	Part No.
1 x D	85°C	109748

Specifications

	Pressure	Temperature
Accuracy Up To	0.02% F.S.	0.2°C
Resolution	0.00022% F.S.	0.01°C
Drift	< 3 psi / year	< 0.25°C / year, Typical 0.01°C / year
Capacity	20 Million Samples	
Communication Method	USB	
Download To	External MicroSD Card	
Transducers	2 Internal & 1 External RTD	
Estimated Battery Life	1.2 Years @ 1 Second Sampling 6.7 Years @ 1 Minute Sampling	
Certifications & Ratings	Intrinsically Safe	
	Class 1, Zone 0, AEx ai IIC T3 Ga	
	Class 1, Div 1, Group: A B C D T3	
	Ta -40C to +80C	
	CSA 60079-0:2015, CSA 60079-11:2014 UL 60079-0:2013, UL 60079-11:2013	