

# Piezo Multi-Channel



## Application

The Four-Channel Piezo is the second generation wellhead logger that gives users much more flexibility when designing a surface testing suite. The Multi-Channel Piezo has all of the features of the Single Channel Piezo, but you can now add multiple transmitters to one data logger. Up to 3 additional external devices can be connected to the device at a single time. The main unit and each external pressure transmitter can be screwed onto the wellhead to measure readings such as: tubing, casing and vent pressures. The logger contains an internal battery pack to power the unit. The user can also supply external power through the SCADA / Modbus connector.

## Benefits

The Multi-Channel Piezo logger is intrinsically safe making it safe to use in hazardous areas. The Multi-Channel Piezo logger also has an exceptionally long battery life and produces the same high quality data that our downhole gauges produce; data that is high accuracy and high resolution while being very reliable in its robust, all weather enclosure.

## Features

- Extreme Service Reliability
- -40°C to 60°C Operating Temperature Range
- 20 Million Sample Capacity
- High Pressure Connections
- RS-485 ModBus Connection
- External power input 4.5-7.8 VDC
- Battery Backup or Battery Life Up to 12 Months
- Single Internal Temperature and Pressure Measurement

- Connect up to 3 External Devices
- Easy to use Software for Programming & Data Analysis
- Powered by Large 2 x D Battery Pack

## Multi-Channel Piezo

Pressure	Temperature	Connection	Part No.
750 psi	Calibration Range (-30°C to 60°C)	1/4" NPT	101744
1,500 psi			101745
3,000 psi			101746
5,000 psi			101747
10,000 psi		1/4" Autoclave	101748
15,000 psi			101749
20,000 psi			101750

\*Models without an intrinsic safety certification are available upon request.

## Accessories

Accessory Type	Part No.
Pelican Case Assembly	100766
USB Download Cable	104278
Adapter HM6 SS17-4	101636
Adapter 1/2 NPTM SS17-4	101438
Adapter 3/4 NPTM SS17-4	100849
Intrinsically Safe Barrier RS-485/USB	105338
Barrier to Logger Cable	111013
Sensor Data Cable - 25 ft	101796
Sensor Data Cable - 50 ft	101797
Sensor Data Cable - 100 ft	101798
Sensor Y-Cable (1 to 3 way) - 1.5 ft	107233
Sensor Y-Cable (1 to 2 way) - 26 ft	112499

## Compatible Batteries

Size	Max Temp	Part No.
2 x D	80°C	107264

## Specifications

	Pressure	Temperature
Accuracy Up To	0.03% F.S.	0.5°C
Resolution	0.0003% F.S.	0.005°C
Drift	< 3 psi / year	< 0.1°C / year
Operating Temperature Range	-40°C to 60°C	
Capacity	20 Million Samples	
Communication Method	USB or ModBus	
Transducers	1 Internal & Up to 3 External	
Certifications & Ratings	Intrinsically Safe	
	CAN/CSA C22.2 No 60079-0	
	CAN/CSA C22.2 No 60079-11	
	CAN/CSA C22.2 No 142	
	ANSI/UL 60079-0	
	ANSI/UL 60079-11	
	UL508	
Entity Parameters	Class I, Zone 0, Aex ia IIB 4 Ga	
	Vi:	8 VDC
	Ii:	0.065 ADC
	Pi:	0.45 W
	Ci:	14 µF
	Li:	0 µH