

*Pioneer Petrotech Services Inc.*



# PPS27-CBM / Analog Series Coal Bed Methane Monitoring System

[www.pioneerps.com](http://www.pioneerps.com)



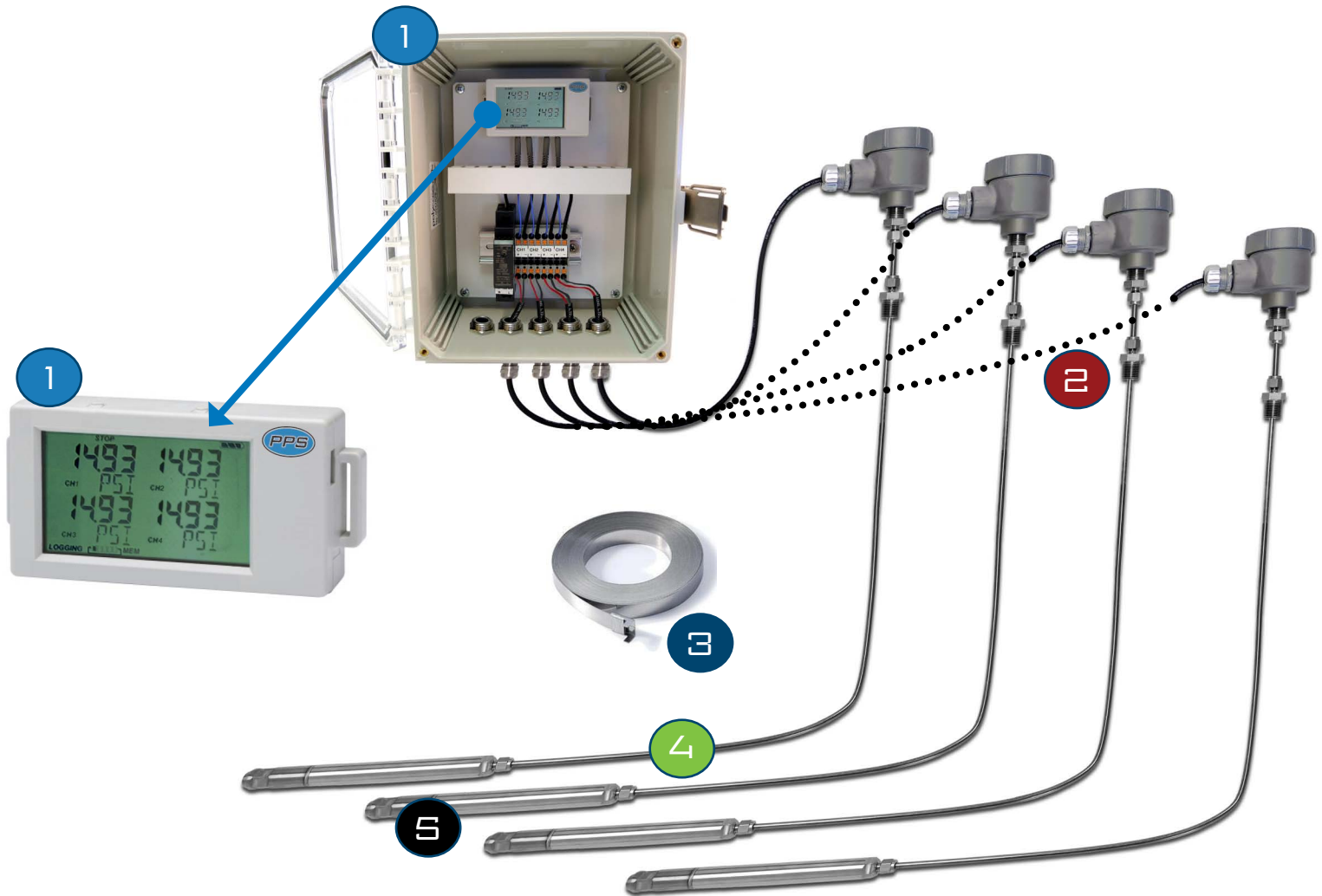
## Coal Bed Methane Monitoring System

The PPS27-CBM (Analog Series) system is specifically designed for permanent Coal Bed Methane monitoring, low temperature permanent monitoring and remediation monitoring. The system is meant to provide high quality data at low cost, and their design is based on the proven PPS27 Premium Series of silicon-sapphire gauges and monitoring equipment.

The PPS27-CBM is simple to run and includes one downhole gauge, cable head, downhole cable, cable banding and surface logger. The surface logger is used to view data in real-time or access data stored in the memory.

### System Components:

- 1 Surface logger
- 2 Wellhead outlet
- 3 Banding
- 4 Electric cable
- 5 Downhole gauge & cable head (up to four gauges)



# Specifications

## Gauge Characteristics

Sensor Type	Silicon Sapphire
Pressure Range—psi	0 to 3K psi
Pressure Accuracy—psi	± 0.5% FS
Temperature Rating—°C	0 - 125 (257 °F)
Max OD—inches	0.875 (22.23 mm)
Housing Material	Stainless Steel 316
Cable Characteristics	Single wire cable
Wellhead Outlet Material	Stainless steel
Clamp Style	Stainless steel banding
Power Source	AC100-240V / DC12-24V

## Logger Characteristics

Downhole Gauge Support	Up to four gauges
Operating Range	Logging: -20° to 70°C (-4° to 158°F); 0 to 95% RH (non-condensing); Launch/Readout: 0° to 50°C (32° to 122°F) per USB specification
Data Set	Date-Time/Pressure
Logging Rate	1 second to 18 hours
Logging Modes	Fixed interval (normal), burst, or statistics
Memory Modes	Programmable to wrap or stop when full
Time Accuracy	±1 minute per month at 25°C (77°F)
Power Source	Two AAA 1.5 V alkaline batteries, user replaceable, and USB cable
Battery Life	1 year, typical with logging rate of 1 minute and sampling interval of 15 seconds or greater
Memory	4 MB (1.9 million measurements, maximum)
Download Type	USB 2.0 interface
LCD Display	LCD is visible from 0° to 50°C (32° to 122°F)
Enclosure Environmental Rating	NEMA 4X





# Smart Gauges and Simple Software



## *Pioneer Petrotech Services Inc.*

#1, 1431-40 Avenue NE

Calgary, Alberta, Canada, T2E 8N6

Tel: 1-403-282-7669

Fax: 1-403-282-0509

Toll Free in Canada & US: 1-888-PP-GAUGE (774-2843)

Email: [sales@pioneerps.com](mailto:sales@pioneerps.com)

© Copyright 2022 Pioneer Petrotech Services Inc

Document ID: MRKT-B-EnglishPPS27CBM-20220331 (V2)

