

Pioneer Petrotech Services Inc.

Proudly Canadian 



PPS27XM

300 °C Permanent Monitoring System

www.pioneerps.com



Pioneer Petrotech Services Inc.

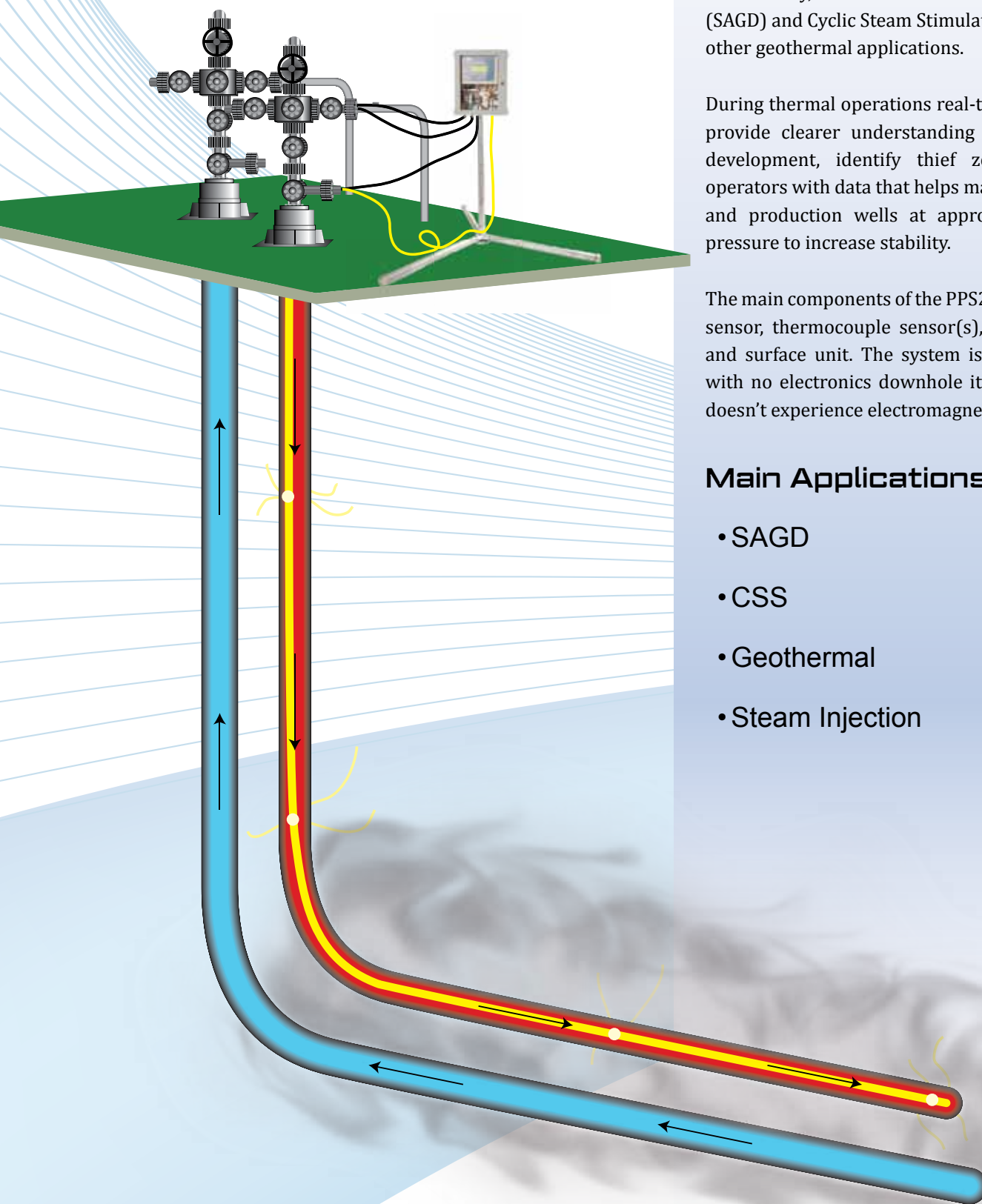
PPS27XM is a permanent monitoring system that measures temperature and pressure at extreme high temperature such as those experienced in thermal oil recovery, like Steam Assisted Gravity Drainage (SAGD) and Cyclic Steam Stimulation (CSS) as well as other geothermal applications.

During thermal operations real-time monitoring can provide clearer understanding of steam chamber development, identify thief zones and provide operators with data that helps maintain the injection and production wells at approximately reservoir pressure to increase stability.

The main components of the PPS27XM are a pressure sensor, thermocouple sensor(s), pressure chamber and surface unit. The system is very versatile and with no electronics downhole it is very robust and doesn't experience electromagnetic interference.

Main Applications:

- SAGD
- CSS
- Geothermal
- Steam Injection



PPS27XM 300 °C Permanent Monitoring System

System benefits:

- Versatility
- No Electronics Downhole
- Electromagnetic Interference Immunity
- Cost-Effectiveness
- Customizable
- Reliability

Specifications

Thermocouple Sensor(s)

Temperature Range	0 to 300 °C (572 °F) or higher
Accuracy	±2.2 °C or 0.75% of FS
Material	SS316L

Pressure Sensor

Sensor Type	Capillary pressure sensor
Pressure Range	0 to 3 kpsi (up to 10kpsi if required)
Pressure Accuracy	<±1% (FS)
Pressure Chamber	Configurable to customer requirements

Surface Unit

Operating Temperature Range	-40 °C to 65 °C
Power Supply	100-240VAC or 24VDC
Enclosure	NEMA4
Sampling Rate	1s to 1hr/sample
On-Board Flash Memory Capacity	8,000,000 max
Data Transfer	Modbus/RTU



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

