



# ELECTRONIC MEMORY RECORDERS

## Quartz Pressure Gauge

Spartek Systems specializes in providing the oil and gas industry with high quality data to monitor well performance and diagnose potential problems. Founded in 1994, Spartek Systems leads the industry in providing cost effective solutions for acquiring reliable well information.



### Product Overview

Spartek Systems offers three models of quartz pressure gauges, the **SS5063**, **SS5067**, and **SS5200**. All models are based on proven quartz technology pressure transducers coupled with Spartek Systems' superior high temperature electronics and proprietary digital signal processing technology, providing best in class data quality and reliability.

Quartz technology provides superior performance in applications where data quality is critical. The quartz transducer provides better long term stability and greater accuracy than piezo-resistive transducers. Spartek Systems offers a full line of competitively priced quartz pressure gauges for a range of applications; low pressure, low temperature, high pressure, high temperature, and corrosive environments. The **SS5200** has been specifically designed to operate in hostile environments up to a maximum temperature of 200°C.

### Applications

- ▶ Well Testing
- ▶ Monitor Well Performance
- ▶ Permanent Sensors (Monitoring)
- ▶ Completion Diagnostics
- ▶ Well Stimulation
- ▶ Reservoir Characterization
- ▶ Gradient Survey

### Primary Features

- ▶ Superior data quality / stability
- ▶ Improved resolution / accuracy
- ▶ High temperature rating
- ▶ Large memory capacity
- ▶ Surface readout
- ▶ Metal to metal seals
- ▶ Windows 7/Vista/XP/NT/2000

## SPARTEK SYSTEMS

Providing Our Customers With "Best In Class" Technology

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

<http://www.sparteksystems.com>

## Specifications:

MODEL	SS5063	SS5067	SS5200
<b>Pressure</b> Sensor Type Pressure Ranges (Accuracy % FS)	Quartz 10000 psi (0.020% Full-Scale) 16000 psi (0.020% Full-Scale)	Quartz 10000 psi (0.020% Full-Scale) 16000 psi (0.020% Full-Scale) 20000 psi (0.020% Full-Scale) 25000 psi (0.020% Full-Scale) 30000 psi (0.025% Full-Scale) 35000 psi (0.025% Full-Scale)	Quartz 16000 psi (0.020% Full-Scale) 20000 psi (0.020% Full-Scale) 25000 psi (0.020% Full-Scale) 30000 psi (0.025% Full-Scale) 35000 psi (0.025% Full-Scale)
Resolution Drift	0.00006% Full-Scale < 0.020 % Full-Scale / year	0.00006% Full-Scale < 0.020 % Full-Scale / year	0.00006% Full-Scale < 0.020 % Full-Scale / year
<b>Temperature</b> Calibrated Range	25°C-177°C [77°F-350°F]	25°C-177°C [77°F-350°F]	25°C-200°C [77°F-392°F]
Accuracy Resolution	0.5°C [0.9°F] <0.005°C [0.009°F]	0.5°C [0.9°F] <0.005°C [0.009°F]	0.5°C [0.9°F] <0.005°C [0.009°F]
<b>Power Requirements</b> Voltage (min) Current (Sleep) Current (Sample)	3 V 0.2 mA 12 mA	3 V 0.2 mA 12 mA	5 V 12 mA 28 mA
<b>Data acquisition</b> Channels  Fastest sample rate Memory Capacity  Redundant Memory	Pressure Temperature Time 10 sample/sec 2,000,000 samples  2x, 4x	Pressure Temperature Time 10 sample/sec 2,000,000 samples  2x, 4x	Pressure Temperature Time 10 sample/sec 500,000 samples  Not Available
<b>Gauge</b> Material  Diameter Length  Seal Configuration	Inconel 718-NACE / 17-4PH MP35N (as required)  0.750 inch [19 mm] (Varies with configuration)  2x O-Ring/Backup	Inconel 718-NACE MP35N (as required)  1.27 inch [32.3 mm] (Varies with configuration)  Metal C-Ring, 2x O- Ring/Backup	Inconel 718-NACE MP35N (as required)  1.27 inch [32.3 mm] (Varies with configuration)  Metal C-Ring, 2x O- Ring/Backup
<b>Communications</b>	RS 232 / USB	RS 232 / USB	RS 232 / USB
<b>Software Compatibility</b>	Windows 7/Vista/XP/NT/2000	Windows 7/Vista/XP/NT/2000	Windows 7/Vista/XP/NT/2000
<b>Surface Readout</b>	Yes	Yes	Yes

Specifications subject to change without notice

For More Information, Pricing, and Technical Support Contact:


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