

## ShotPoint Overview

Innovative Production's revolutionary ShotPoint™ liquid level monitoring system is the future of oil and gas production optimization. The ShotPoint system offers a reliable way to monitor fluid level and achieve optimal well production while eliminating the need to run a downhole gauge. This improves overall system reliability by eliminating the TEC wire while simultaneously reducing installation costs.

The ShotPoint monitoring system utilizes an acoustic shot from the casing head to determine the depth of the fluid level. The shot then reflects off the annular liquid level and is received back into the ShotPoint system where it is interpreted and outputted as a calculated fluid level. Contrary to other acoustic shot systems on the market, ShotPoint's unique calculation method eliminates any noise present from the casing and tubing collars to output a reliable downhole liquid level.



In a gas well, ShotPoint utilizes the annular gas flow as the measuring media. Upon firing, an integral gas vent valve opens creating a sonar pulse. This sound wave then travels downward, pinging off the fluid level in the annulus and returns to the microphone in the ShotPoint for conversion to an electronic signal. The electronic signal is then sent to the PLC for conversion into a liquid level that can then be outputted to a variable speed drive or SCADA system. In a well with no annular gas, a pulse generator, typically a nitrogen canister, is required to produce the sound wave.

Feature	Rating
Depth	Up to 10,000ft
Power Supply	220V ± 10% AC
Fluid Level Accuracy	± 3ft
Pressure Rating	Up to 1500psi
Casing Pressure Accuracy	± 1%
Temperature	-40C to 50C
Signal Output	Modbus - RS232/485
XP Proof	IEC EX d iiB T4
Measurement Interval	1 to 1440 min

Innovative Production's ShotPoint liquid level monitoring system offers operators maximum reliability and protection for the pumping system. For more information on ShotPoint or other monitoring solutions, please contact your Innovative Production representative or visit [www.innovp.com](http://www.innovp.com).