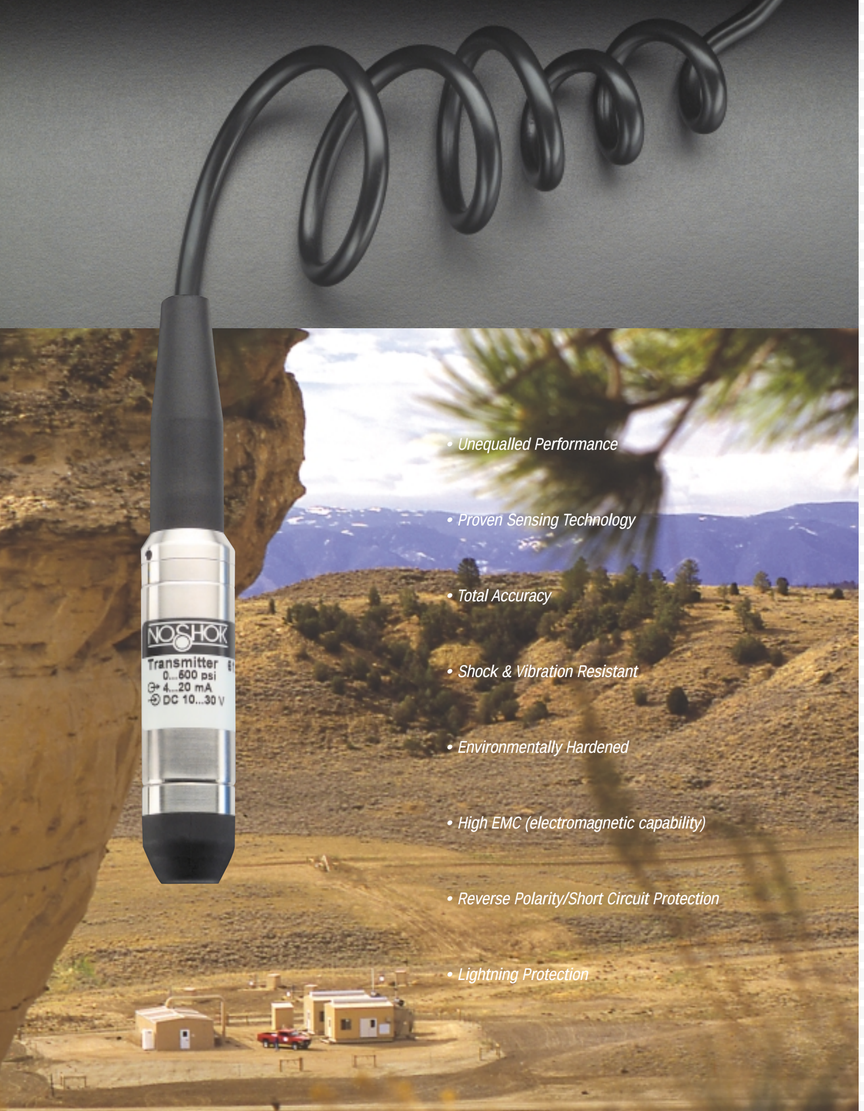

- *Unequalled Performance*
- *Proven Sensing Technology*
- *Total Accuracy*
- *Shock & Vibration Resistant*
- *Environmentally Hardened*
- *High EMC (electromagnetic capability)*
- *Reverse Polarity/Short Circuit Protection*
- *Lightning Protection*







All your pressure measurement needs from your single source instrumentation company—NOSHOK

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- Development
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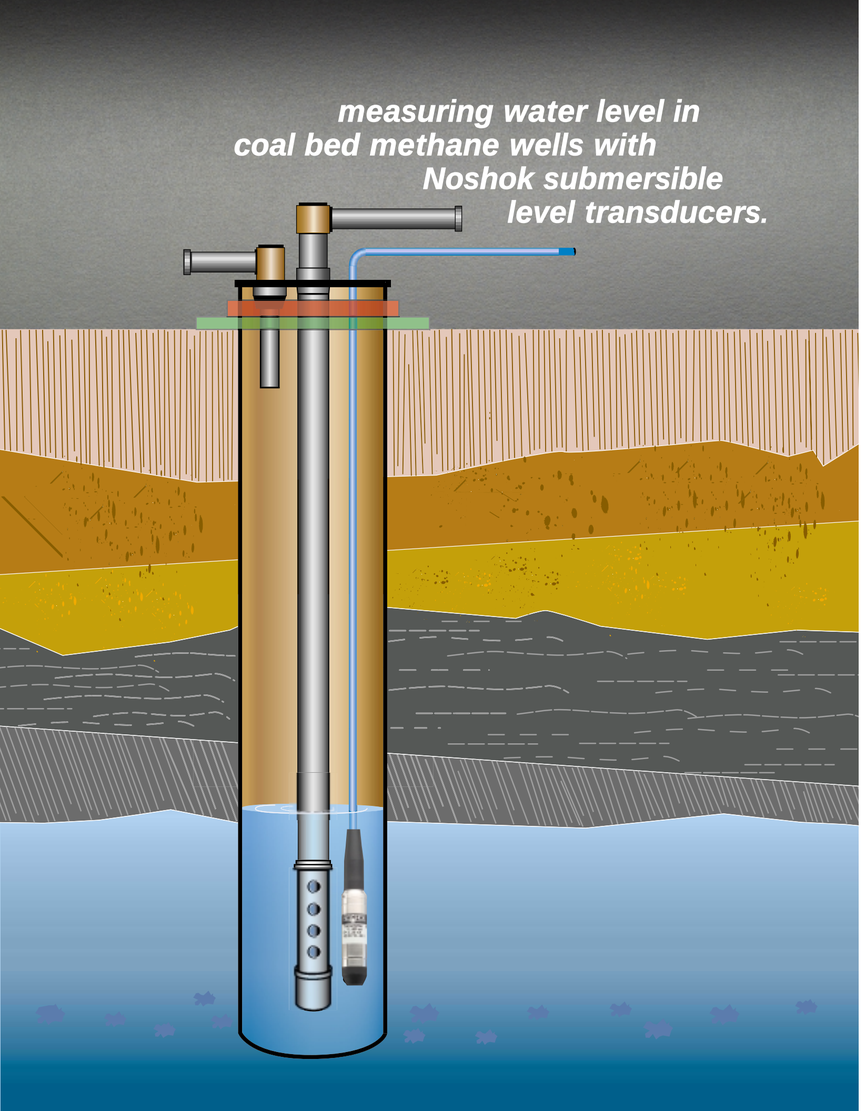
measuring pressure and water level with Noshok submersible level transducers

COAL BED METHANE



NOSHOK products for the Coal Bed Methane industry.

In addition to our submersible level transmitters, NOSHOK also offers a complete package of PRESSURE TRANSMITTERS, TRANSDUCERS AND SWITCHES for all of your electronic pressure measurement needs. Utilizing sputtered thin film and semi-conductor sensing technologies insure unparalleled accuracies and stability. And when coupled with our extremely robust circuitry you have an unbeatable combination. NOSHOK has been and continues to be a leader in high EMC (electromagnetic compatibility) and was one of the first companies to offer CE marked transmitters and transducers.

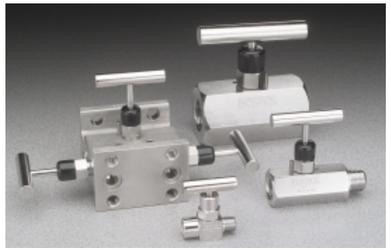
Whether your application calls for current, voltage or digital outputs, standard or high accuracy, industrial grade to intrinsically safe, with a wide variety of pressure ports and electrical connection options; you'll find it all at NOSHOK.

Complete specifications are included in catalog, NK98TD.



NOSHOK NEEDLE VALVES feature quality, superior performance and unsurpassed reliability, as they are the standard by which other valves are judged. Available in a myriad of materials, port configuration and seat types, they are the right choice without compromise when positive shut off or precise flow control and metering of specified media are required. NOSHOK needle valves are 100 percent helium leak tested for quality assurance and provide flow characteristics consistent with application requirements. Safety is assured with a blow out proof stem that provides a secondary stem seal in the full open position. When looking for a needle valve, mini-valve, multiport, block & bleed or manifold valve, NOSHOK has the right product with the right solution.

Complete specifications are included in catalog, NK01V.





NOSHOK offers a complete line of rugged, high quality PRESSURE GAUGES for all demanding applications. Other companies talk about quality and reliability, NOSHOK stands behind our claims with the industries first and best extended warranty!

Sizes range from 1½″ through 6″ diameter with pressure systems constructed of copper alloy or 316SS or the ultimate in corrosion protection. Available in both dry and liquid filled varieties; standard stock pressure ranges include vacuum & compound through 30,000 psig.

Complete pressure gauge specifications are included in catalog, NK95G.



SERIES

612 Submersible Level Transducers

NOSHOK Series 612 Submersible Level Transducers were designed to provide a previously unequalled level of performance in a variety of demanding applications, including water level measurement in Coal Bed Methane Wells. Using reliable and proven sensing technology, these transducers are accurate, shock resistant and hold their calibration indefinitely. Environmentally hardened, they incorporate reverse polarity and short circuit protection as well as lightning protection as standard features.

Both polyurethane and water-blocked PVC cable are available to suit the specific requirements off the application. Cable is provided in a variety of standard stock lengths to suit your specific application.

SPECIFICATIONS

Model	612 submersible level transducer
Accuracy	≤+/-0.25% FS (+/-0.1% accuracy is available as an option), BFSL
Pressure ranges	0-350psig (0-808ft. of water), 0-500psig (0-1,155 ft. of water) (other ranges are available as an option)
Overpressure protection	0-350psig range is protected to 1160psig (2,679 ft. of water) 0-500psig range is protected to 1,740psig (4,018 ft. of water)
Output	4-20mA (2-wire) standard (other outputs are available as an option)
Excitation	10-30Vdc for 4-20mA output
Diameter of housing	1.05″
Temperature ranges	Compensated 32F to 122F / Effect is ≤+/-0.01% FS/F
Response time	≤1ms (between 10% and 90% Full Scale
Operating life	>100,000,000 FS cycles
Environmental protection	NEMA 6, IP68
Electromagnetic capability	CE compliant (RFI, EMI and ESD protected)
Vibration	≤+/-0.01% FS for 15g's @ 0-2000Hz on any axis
Shock	≤+/-0.05% FS for 100g's @ 20ms on any axis



SERIES

2000 Smart System Digital Indicator

The NOSHOK Series 2000 Smart System is the perfect choice for water level indication and control. Powerful and field upgradeable, this instrument is available with adjustable setpoints that can be used to control the submersible pump in the typical methane well application. An optional analog output signal is also available for interface with the variable speed drive systems used in some installations.

Some of the key features include:

- Outstanding reliability and performance
- 4-20mA input from the submersible level transducer
- Built-in 24Vdc excitation powers the level transducer
- Field upgradeable with plug-in circuit modules
- Direct indication of water level in feet
- Optional setpoint functions with relay, analog or RS232/RS485 digital output
- Easily programmed in the field and tamper resistant
- Fast response with readings up to 20 times per second
- CE compliant with significant RFI, EMI and ESD noise suppression
- AC or DC operation
- NOSHOK's exclusive 3 year warranty