

Well Flow Management

Well Testing | Data Services

EDGE Wireless

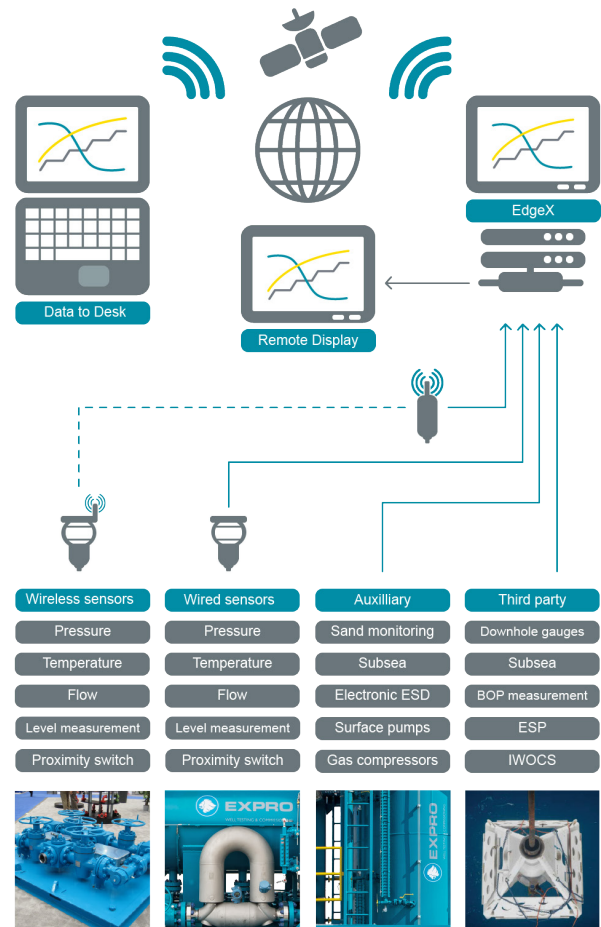
The EDGE Wireless system provides a wireless instrumentation solution for measuring well data. Combined with EdgeX software and Expro Data to Desk it is part of a complete data solution providing total real time data capability, taking full advantage of extensive multi-tasking capabilities in acquiring surface well test data and when requested third party measurements.

The wireless system replicates all the measurements normally taken using wired devices and can be run as a 'standalone' system or as part of a wired system to ensure all the necessary measurements are taken using the most suitable device.

The wireless system adopted by Expro is based on the *WirelessHART*® protocol utilizing existing proven technology for measurement devices and the versatility of a wireless set up.

The wireless solution is secure and reliable and the devices build a self-organizing network, adapting to the environment around the well site ensuring all devices can use the network to connect to the wireless gateway located on or near the data acquisition system.

A Gateway mounted in the well test area interfaces with the EDGE computer where measurements and calculations are performed to recognized standards or best oilfield practice. The wireless gateway interfaces to the EDGE computer and all parameters are logged, viewed, reported and transmitted real time to the Data to Desk cloud.



Applications

- Well testing
- Clean up/flow backs
- Production testing
- Production surveillance
- Production optimization
- Platform monitoring

Features and benefits

- Reduced rig up time
- Reduced trip hazards
- Industry standard communications
- Proven technology
- More data from single transmitter
- Expandable

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Technical specifications - typical sensors

Number of input channels	Up to 100 from single gateway
Interface unit	19" rack mountable
Wireless protocol	<i>Wireless</i> HART®
Safety Philosophy	Intrinsic safety (IS)

Location	Pressure psi (bar)	Temperature °F (°C)	Flow	Level
Well head	0 to 10,000 (0 to 689)	0 to 300 (0 to 149) -50 to 250 (-46 to 121)	MPFM 1. SONAR 1.	
Upstream of choke manifold	0 to 10,000 (0 to 689)	0 to 300 (0 to 149) -50 to 250 (-46 to 121)	MPFM SONAR	
Downstream of choke manifold	0 to 10,000 (0 to 689) 0 to 4,000 (0 to 275)	0 to 300 (0 to 149) -50 to 250 (-46 to 121)	MPFM SONAR WET GAS 1.	
Test separator	0 to 4,000 (0 to 275)	0 to 300 (0 to 149)	Mass Flow 1. Orifice Meter SONAR Pulse counter	Guided wave radar Vibrating fork
Surge tanks and flare lines	0 to 4,000 (0 to 275)	0 to 300 (0 to 149)	Annubar SONAR Pulse counter	Guided wave radar Vibrating fork

Note: The battery life of the wireless devices depends on the data transmission rate.

Other sizes, configurations and pressure ratings are available to meet most applications. For more information contact your local Expro representative or email: welltesting@expro.com

1. MPFM, SONAR, WET GAS and Mass Flow are measured via a wired connection.