

EdgeX Wireless

The **EdgeX Wireless** system provides a wireless instrumentation solution for measuring well data. When combined with the **EdgeX software** and **Data to Desk** its part of a complete data solution.

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 *Wireless*HART protocol utilising 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-organising 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.

There are two gateway installation options, one mounted externally in the well test area or a gateway interface located in a safe area with externally mounted antenna. Both installations are suitable for Zone 1 installation.

The wireless gateway interfaces to the EdgeX computer and all parameters are logged, viewed and reported as a wired system.



Features and benefits

Reduced rig up time

Reduced trip hazards

Industry standard communications

Proven technology

More data from single transmitter

Applications

Well testing

Clean up/flow backs

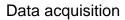
Production testing

Production surveillance

Production optimisation

Platform monitoring

Well Testing





Technical specification – typical sensors

Location	Pressure	Temperature	Flow	Level
Wellhead	0-10000 psig (0-689 bar)	0-300 °F (0-149 °C) -50-250 °F (-46-121°C)		
Upstream of choke manifold	0-10000 psig (0-689 bar)	0-300 °F (0-149 °C) -50-250 °F (-46-121°C)		
Downstream of choke manifold	0-10000 psig (0-689 bar) 0-4000 psig (0-275 bar)	0-300 °F (0-149 °C) -50-250 °F (-46-121°C)		
Test separator	0-4000 psig (0-275 bar)	0-300 °F (0-149 °C)	Mass Flow (Coriolis Meter) DP (Orifice Meter) Pulse counter (Turbine Meter)	Guided Wave Radar Vibrating Fork
Surge tanks and flare lines	0-4000 psig (0-275 bar)	0-300 °F (0-149 °C)	DP (Annubar Flow Meter) Pulse counter (Turbine Meter)	Guided Wave Radar Vibrating Fork

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