

DPx Performance & Operating Envelope

DPx has been put through rigorous testing in both controlled and live client environments. Across multiple field pilots and nearly 40 controlled leak tests, Pipewise has demonstrated performance across a broad range of pipeline geometries, fluids, pressures, flows and leak conditions. The results below show how DPx has performed to date.

Key performance highlights

0.8%

Detectable leak size
(% of flow)

3-10 min

Time to detect

<1%

False alarm rate (at
15 min intervals)

1.6 km (1 mi.)

Sensor-to-leak
distance

Demonstrated application & operating envelope



Fluids/Applications

Produced water and liquid hydrocarbons



Operating pressure

~150-2,870 kPa (22-416 psi)



Pipeline specs

2"–10" diameter · Up to 1.6 km (1 mi.) length



Leak size tested

0.8%-40% of flow



Flow rates

0-173 m³/h (0~26,100 bbl/day)



Conditions tested

Flowing · Shut-in · Variable pump states · High noise · Low pressure

Performance to date - but not the limit.

The ranges on Page 1 reflect where DPx has been piloted and proven to date, not the limits of where it can perform. Pipewise can assess your application and tailor sensor placement, detection thresholds and system configuration around your operating conditions and leak detection requirements.

How we get started

- 1 We'll send you an RFI - requesting pipeline parameters, site power (if any), cell coverage (if any), and area classification.
- 2 You'll receive a DPx predicted performance report.
- 3 We'll schedule a technical review to show you how DPx works and how it can be applied to your pipeline.



What could DPx detect on your pipeline?

Let's assess your application

Book a discovery call

Book a discovery call
(844) 638-1885 sales@pipewise.ca



Scan to book a discovery call.