

wimo Quartz series

Description

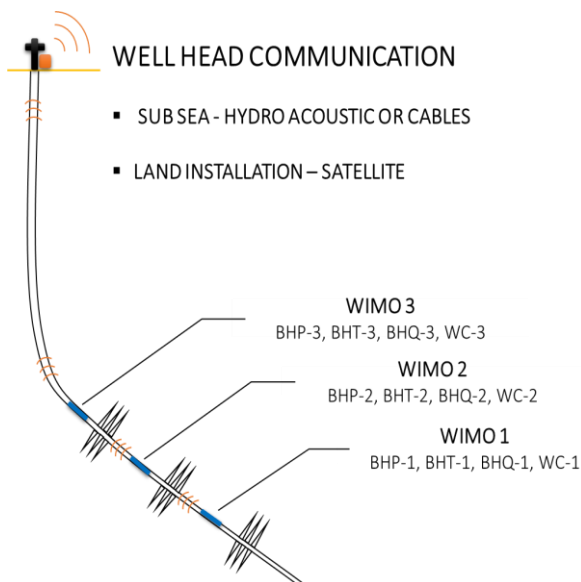
One of the major challenges in the oil & gas industry is production optimization. Downhole data is a key element to create reservoir models, optimize production and extend recovery.

By utilizing downhole power harvesting and wireless communication technology, operators can monitor their wells real time without up front investments in permanent gauges.

Real time reservoir monitoring increases profitability:

- Improving oil production by early water detection.
- Improving oil recovery through better reservoir understanding and management.
- Reducing the field CAPEX by increased production from fewer wells.
- Reducing Topsides CAPEX by less water treatment infra-structure.
- Reducing OPEX by less well interventions for testing and diagnostics.

WIMO is a retrofit well monitoring system that utilizes downhole power harvesting and wireless communication to transmit well parameters to the surface in real time.



Applications

- Retrofit installation (slickline, wireline, coiled tubing).
- Tubing sizes: 3 ½” upwards.
- Real time Wireless communication to surface.
- For very accurate reservoir monitoring
- Long term tests in high pressure and temperature wells

Benefits

- Greater reservoir understanding leading to production optimization.
- Real time autonomous, intelligent & selective monitoring of multiple zones (1 WIMO per zone).
- Reduced CAPEX and OPEX demands.
- Reduction of HSE hazards and well interventions (i.e.: PLT)
- No in-well cables.
- Compact form factor – simple to deploy.



Tool Specification

Maximum work pressure	Up to 20 ksi
Temperature rating	Up to 177 °C (350 F°)
Pressure accuracy	±0,02 % FS (*)
Pressure resolution	< 0.01 psi (*)
Temperature accuracy	±0.15 °C (±0.3 °F)
Temperature resolution	0.005 °C (0.01 °F)
Flow Rating	Up to 7,500 bpd (*)
Tool OD	Up to 2.5”
Tool Length	Up to 1 m (3 ft)
Tool Weight	13 kg

(*) Other specifications available upon request